



GOOD-ARK SEMICONDUCTOR CONDENSED CATALOG 2009 - RECTIFIER

■ J A P A N E S E Q U A L I T Y ■ C H I N E S E P R I C E ■ A M E R I C A N S P E E D ■ S I X S T A R S E R V I C E
日 本 品 質 中 國 價 格 美 國 速 度 六 星 級 服 務



GOOD-ARK ELECTRONICS CO., LTD.

Headquarter: 19F Bis Metropolitan Towers, 199 Shishan Road, Suzhou New District, P.R.China

總 部: 中 國 江 蘇 省 蘇 州 獅 山 路 1 9 9 號 新 地 中 心 1 9 樓

Tel:86-512-68188888

Fax:86-512-68181222 65100065

Zip:215011

E-mail: info@goodark.com Website: <http://www.goodark.com>

GOOD-ARK ELECTRONICS CO., LTD.

蘇 州 固 鋆 電 子 股 份 有 限 公 司

Attention (注意)

Keep safety first in your circuit designs!

Suzhou Good-ark Electronics Co.,Ltd. puts the maximum effort into making semiconductor products better and more reliable.

Notes regarding these materials

- * These materials are intended as a reference to assist our customers in the selection of the Suzhou Good-ark product best suited to the customer's application; they do not convey any license under any intellectual property rights, or any other rights, belonging to Suzhou Good-ark Electronics Co.,Ltd. or a third party.
- * Suzhou Good-ark Electronics Co.,Ltd assumes no responsibility for any damage, or infringement of any third-party's rights, originating in the use of any product data, diagrams, charts, programs, algorithms, or circuit application examples contained in these materials.
- * All information contained in these materials, including product data, diagrams, charts, programs and algorithms represents information on products at the time of publication of these materials, and are subject to change by Suzhou Good-ark Electronics Co.,Ltd. without notice due to product improvements or other reasons. It is therefore recommended that customers contact Suzhou Good-ark Electronics Co.,Ltd. or an authorized Suzhou Good-ark product distributor for the latest product information before purchasing a product listed herein. The information described here may contain technical inaccuracies or typographical errors. Suzhou Good-ark Electronics Co.,Ltd. assumes no responsibility for any damage, liability, or other loss rising from these inaccuracies or errors. Please also pay attention to information published by Suzhou Good-ark Electronics by various means, including the Suzhou Good-ark home page. (<http://www.goodark.com>)
- * When using any or all of the information contained in these materials, including product data, diagrams, charts, programs, and algorithms, please be sure to evaluate all information as a total system before making a final decision on the applicability of the information and products. Suzhou Good-ark assumes no responsibility for any damage, liability or other loss resulting from the information contained herein.
- * The prior written approval of Suzhou Good-ark Electronics Co.,Ltd. is necessary to reprint or reproduce in whole or in part these materials.
- * Please contact Suzhou Good-ark Electronics Co.,Ltd. or an authorized Suzhou Good-ark product distributor for further details on these materials or the products contained herein.

公司简介

GA company profile



“上有天堂，下有苏杭”，以园林著称的苏州，不仅有着浓厚的历史文化气息，同样也是中国微电子产业的基地。苏州固锝电子股份有限公司正是从这里起步，一跃成为中国半导体二极管行业的领军企业。

经过多年的奋斗，固锝电子已经成为国内半导体分立器件行业最大的二极管供应商，从前端芯片的自主开发到后端成品的各种封装技术，形成了一个完整的产业链。主要产品包括最新封装技术的无引脚产品、汽车整流二极管、功率模块、整流二极管芯片、轴型硅整流二极管、开关二极管、稳压二极管、微型桥堆等共有50多个系列、1500多个品种。产品广泛应用于航空航天、汽车、绿色照明、IT、家用电器以及大型设备的电源装置等许多领域，被称为“工业之米”。

在“日本的品质、中国的价格、美国的速度、六星级服务”的经营方针指导下，自主品牌的“固锝”产品以其优良的品质、富有竞争力的价格以及完善的服务体系广受客户好评并吸引了众多高端国际客户，销售额稳定增长。同时，固锝电子还不断加强与世界巨头合作开展OEM业务。

公司积极引进先进技术和生产流水线，并不断加强与威旭、东芝、索尼、飞利浦、松下等国际知名公司的合作，大大提高了在技术和设备方面的竞争力。公司通过引进国际著名半导体公司的大量技术人才，并聘用日本专家作为公司的常年技术顾问，固锝电子已经建立起完善的技术研发体系，拥有“片式微型桥堆”、“半导体器件及其制造方法”、“二极管制造方法”等多项发明专利及实用新型专利。目前、公司产品质量和工艺技术均已达到国内一流和世界领先水平。

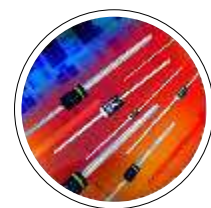
“In heaven we have a paradise, one earth we have Suzhou & Hangzhou!” Suzhou has been such a beautiful city of gardens famous for its long history & rich cultures. Likewise, it is also a major production base of electronic industry. Suzhou Good-Ark Electronics Co Ltd(GA)started here on this beautiful land some 15 years ago, it has now become a leading enterprise of diodes industry in china.

With continuous efforts for many years, GA has become the largest diodes manufacturer of discrete semiconductor industry in china. The company has successfully integrated front-end Wafer fab and back-end assembly lines into a complete industry domain. Major product lines cover over 50 series with more than 1500 different types of products including the latest technology offspring for the Lead Less Package,i.e.QFN products series, the Auto rectifier diodes, Power module, Rectifier diodes chips, Axial rectifier diodes, Switching diodes, Zener diodes, Mini-bridges etc. Diode products are widely used in areas of Aviation & spaceflight, Automobile industry, Green lighting, IT industry, Home appliances and Power supplies for large equipment etc. Due to its characteristics of universality, diode has a popular nickname- “the Rice of industries”

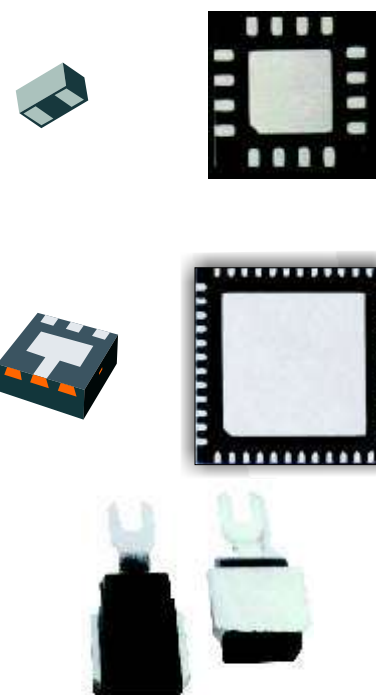
Under the guidance of managing policy of “Japanese quality, Chinese price, American speed and Six star service”, and by means of providing Quality products, Cost effective price and Excellent service, GA successfully established its reputation and attracted many high-end international customers. As a result, the company’s turnover keeps increasing stably. Meanwhile, GA continues to enhance strategic cooperation with industrial giants in OEM business.

GA continues to import advanced technology & assembly lines and keeps strengthening co-operation ties with world class major players like Vishay, Toshiba, Sony, Philips, Panasonic etc. As a result, our competence has increased considerably with respect to technolog & equipment capabilities. Having greatly assisted by large numbers of technical professionals from world famous semiconductor companies, and by means of hiring experienced technical consultant on year-round basis, GA has built up a consummate Research & Development System which includes various patented production & manufacturing process of semiconductor components namely Mini-bridge, SMA special diodes and some other brand new applications etc. We’re very proud to say that both our products’ quality & process technology has reached the first class standard in China & the leading class standard in the world.

精品展示 product highlights



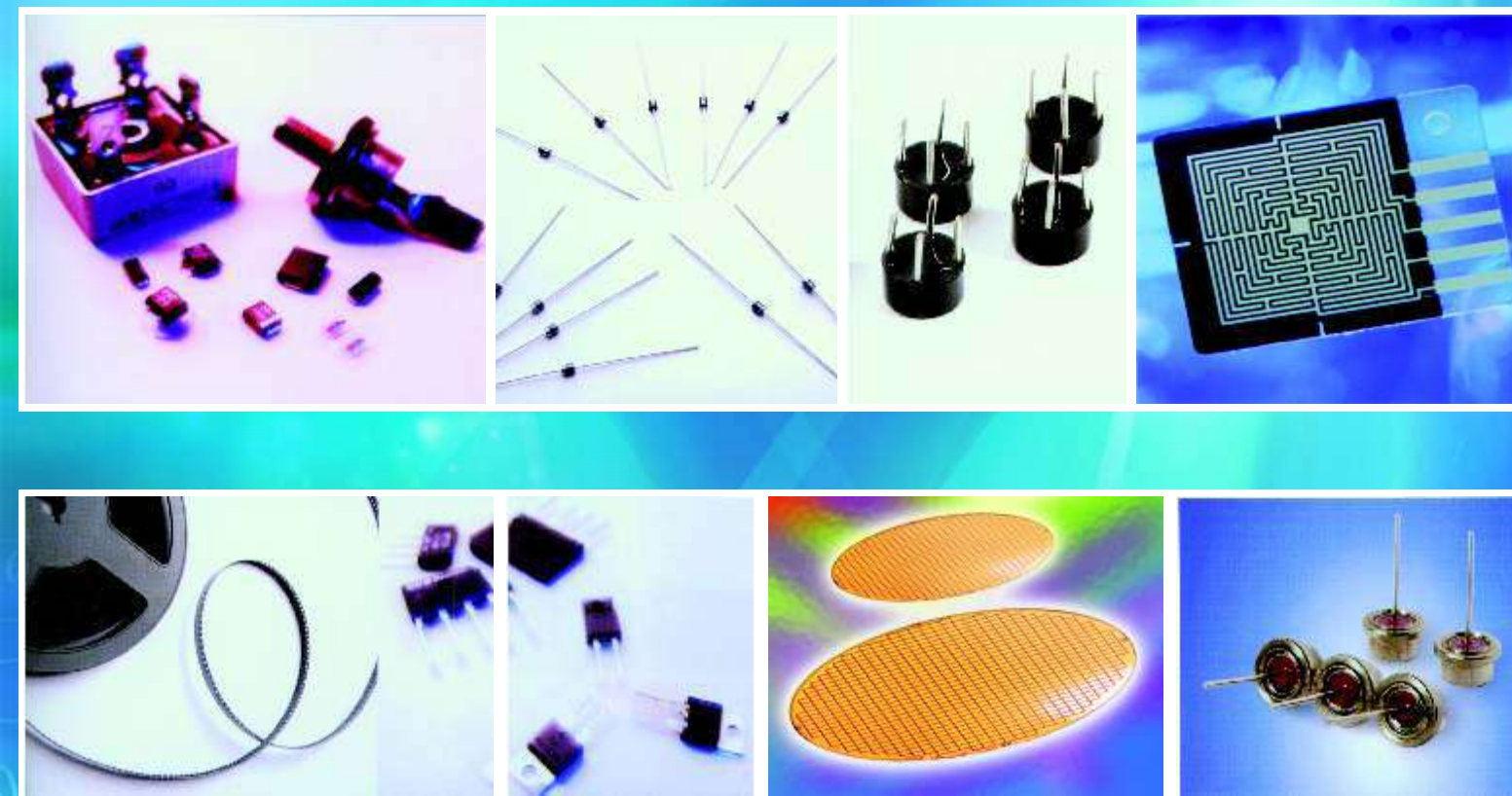
- | | |
|----------|-----------------------------|
| 四英寸GPP芯片 | 4-inch GPP chips |
| 无引脚封装产品 | LLP or QFN products |
| 汽车整流二极管 | Auto rectifier diodes |
| 功率模块 | Power modules |
| 普通整流二极管 | STD rectifier diodes |
| 快速整流二极管 | Fast rectifier diodes |
| 超快速整流二极管 | Super fast rectifier diodes |
| 稳压二极管 | Zener diodes |
| 开关二极管 | Switching diodes |
| 肖特基二极管 | SKY diodes |
| 桥堆 | Bridge series |
| TVS 系列 | TVS series |



Notes



Notes



- 汽车专用整流器制造商
 - 中国最大的二极管制造商
 - 中国首家QFN/DFN的封装企业
 - 太阳能电池接线盒专用模块制造商
- (专利号: 200720041754.7)

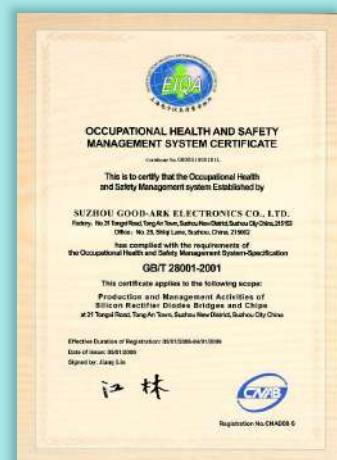
质量认证体系完善

固锴电子是中国二极管行业认证体系最完备的企业

Establishment of Quality Certification System

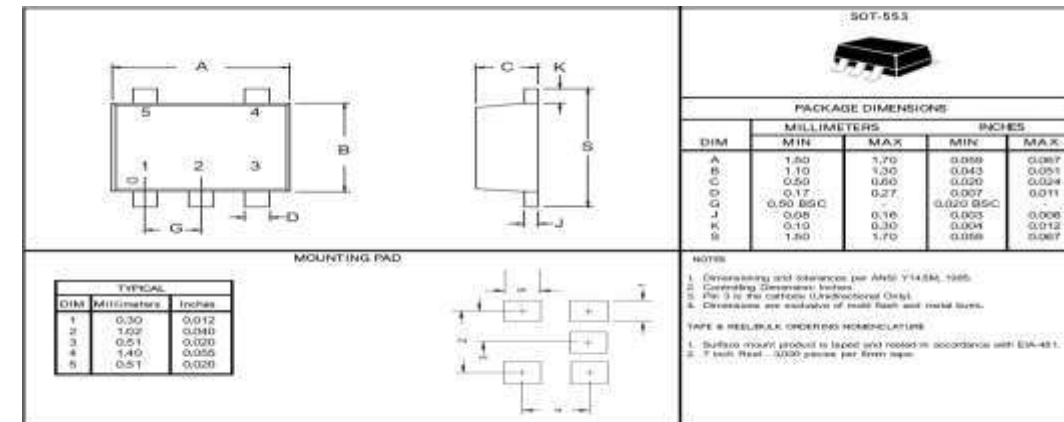
GA is certified with most complete system qualifications in discrete semiconductor industry of China.

2001年	ISO14001	环境管理体系认证
2001年	ISO9001(2000版)	质量管理体系认证
2003年	OHSAS18001	职业健康安全认证
2004年	ISO/TS16949	国际汽车工业质量管理体系
2005年	SOEM8797	SONY绿色伙伴认证
2007年	QC080000	有害物质管理系统

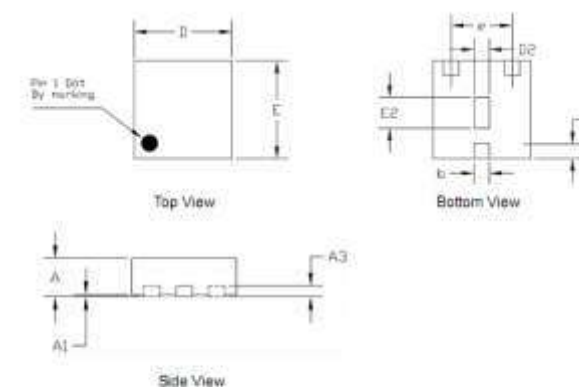


Outline (外型圖)

SOT-553



DFN-3



Common Dimensions (mm)			
PKG	UT: Ultra thin		
Ref.	Min.	Nom.	Max.
A	0.50	-	0.60
A1	0.00	-	0.05
A3	0.15 Ref.		
D	1.55	1.60	1.65
E	1.55	1.60	1.65
B	0.20	0.25	0.30
D2	0.20	0.25	0.30
E2	0.45	0.50	0.55
L	0.20	0.25	0.30
b	0.20	0.25	0.30
e	1.00 BSC		

CONTENTS 目錄

Company Profile 公司簡介	1	BY500-50 thru BY500-1000	16
Product highlights 精品展示	2	FR601 thru FR607	16
Approval Certificates 認證證書	4	High efficiency rectifiers 高效整流二極管	
Contents 目錄	5	Glass passivated high efficiency rectifiers	17
General purpose rectifiers 一般整流二極管		玻璃鈍化高效整流二極管	
Glass passivated rectifiers	8	1H1G thru 1H8G	17
玻璃鈍化整流二極管		HER101G thru HER108G	17
1G1 thru 1G7	8	HER1001G thru HER1007G	17
1N4001G thru 1N4007G	8	UF4001 thru UF4007	17
GP10A thru GP10Y	8	EGP10A thru EGP10G	17
RL101G thru RL107G	8	HS1A thru HS1M	* 19
GN1A thru GN1M	* 9	HER151G thru HER158G	17
1N5391G thru 1N5399G	8	HS2A thru HS2M	* 19
GP15A thru GP15M	8	HER201G thru HER208G	17
RL151G thru RL157G	8	HER2001G thru HER2007G	17
GNOA thru GNOM	* 9	EGP20A thru EGP20G	17
GNOAA thru GNOMA	* 9	HER301G thru HER308G	17
GP20A thru GP20M	8	HER3001G thru HER3007G	18
DR200G thru DR210G	8	UF5400 thru UF5408	18
RL201G thru RL207G	9	EGP30A thru EGP30G	18
1N5400G thru 1N5408G	9	HS3A thru HS3M	* 19
GP30A thru GP30M	9	HER601G thru HER608G	18
GN3A thru GN3M	* 9	UF800 thru UF808	18
6A05G thru 6A10G	9	UF800F thru UF808F	18
General purpose plastic rectifiers	10	UF1000 thru UF1008	18
通用塑膠封整流二極管		UF1000F thru UF1008F	18
1A1 thru 1A7	10	UF1000CT thru UF1008CT	18
1N4001 thru 1N4007	10	UF1000FCT thru UF1008FCT	18
RL101 thru RL107	10	UF1600CT thru UF1608CT	18
1N5391 thru 1N5399	10	UF1600FCT thru UF1608FCT	19
RL151 thru RL157	10	High efficiency rectifiers	20
1SG1885,1SG1887,1SG1888	10	高效整流二極管	
RL 201 thru RL207	10	1H1 thru 1H8	20
RL251 thru RL257	10	HER101 thru HER108	20
1N5400 thru 1N5408	10	HER1001 thru HER1007	20
P300A thru P300M	11	HER151 thru HER158	20
BY251 thru BY255	11	HER201 thru HER208	20
P600A thru P600M	11	HER2001 thru HER2007	20
6A05 thru 6A10	11	HER301 thru HER308	20
10A05 thru 10A10	11	HER3001 thru HER3007	20
Fast recovery rectifiers 高速整流二極管		HER601 thru HER608	20
Glass passivated fast recovery rectifiers	12	Super fast rectifiers 超高速整流二極管	
玻璃鈍化快速恢復整流二極管		Glass passivated super fast rectifiers	21
1F1G thru 1F7G	12	玻璃鈍化超快速整流二極管	
FR101G thru FR107G	12	1S1G thru 1S9G	21
RGP10A thru RGP10M	12	SF11 thru SF19	21
1N4933G thru 1N4937G	12	ES1A thru ES1M	* 23
1N4942G thru 1N4948G	12	MUR120	21
BA157G thru BA159G	12	MUR140 and MUR160	21
RL101FG thru RL107FG	12	MURS120	* 23
GR1A thru GR1M	* 14	MURS140 and MURS160	* 23
FR151G thru FR157G	12	SF21 thru SF29	21
RGP15A thru RGP15M	13	ES2A thru ES2M	* 23
GROA thru GROM	* 14	ES2AA thru ES2MA	* 23
GROAA thru GROMA	* 14	SF31 thru SF39	21
FR201G thru FR207G	13	ES3A thru ES3M	* 23
RGP20A thru RGP20M	13	ES3AB thru ES3MB	* 23
RGP25A thru RGP25M	13	SF41 thru SF49	21
FR301G thru FR307G	13	MUR420	21
RGP30A thru RGP30M	13	MUR440 and MUR460	21
GR3A thru GR3M	* 14	SF51 thru SF59	21
GR3AB thru GR3MB	* 14	SF61 thru SF69	21
FR601G thru FR607G	13	MUR605CT thru MUR660CT	21
Fast recovery rectifiers	15	MUR805 thru MUR860	22
快速恢復整流二極管		MUR805CT thru MUR860CT	22
1F1 thru 1F7	15	MURB805CT thru MURB860CT	* 23
FR101 thru FR107	15	MUR1005CT thru MUR1040CT	22
1N4933 thru 1N4937	15	MUR1005FCT thru MUR1040FCT	22
1N4942 thru 1N4948	15	MUR1505 thru MUR1560	22
BA157 thru BA159	15	MUR1605CT thru MUR1660CT	22
RL101F thru RL107F	15	MURB1605CT thru MURB1660CT	* 23
FR151 thru FR157	15	MUR2010CT thru MUR2020CT	22
FR201 thru FR207	15	Super fast rectifiers	24
BY296 thru BY299	16	超快速恢復整流二極管	
FR251 thru FR257	16	1S1 thru 1S9	24
FR301 thru FR307	16	SF101 thru SF109	24
BY396 thru BY399	16	SF201 thru SF209	24
MR850 thru MR858	16	SF301 thru SF309	24
		SF601 thru SF609	24
		Schottky barrier rectifiers	25
		肖特基整流二極管	

SB020 thru SB060	25
1K2 thru 1K6	25
1N5817 thru 1N5819	25
1N17 thru 1N19	25
SB120 thru SB160	25
SB170 thru SB1B0	25
SK12 thru SK16	29
SK17 thru SK1B	29
SL12 thru SL14	29
SB220 thru SB260	25
SB270 thru SB2B0	25
SK22 thru SK26	29
SK27 thru SK2B	29
SK22A thru SK26A	29
SL22 thru SL24	29
1N5820 thru 1N5822	25
SB320 thru SB360	25
SB370 thru SB3B0	25
SK32 thru SK36	29
SK37 thru SK3B	29
SK32A thru SK36A	29
SL32 thru SL34	29
SB520 thru SB560	25
MBR7xx,MBRF7xx & MBRB7xx Series	25,26,29
MBR10xx,MBRF10xx & MBRB10xx Series	26,29
SBL10xx,SBLF10xx & SBLB10xx Series	26,29
SBL10xxCT,SBLF10xxCT & SBLB10xxCT Series	26,30
MBR1090(100),MBRF1090(100) & MBRB1090(100) Series	26,29
MBR1090CT thru MBR10100CT	26
MBRF1090CT thru MBRF10100CT	26
MBR10150CT,MBRF10150CT	26
MBR15xxCT,MBRF15xxCT & MBRB15xxCT Series	26,30
MBR16xx,MBRF16xx & MBRB16xx Series	27,30
SBL16xxCT,SBLF16xxCT & SBLB16xxCT Series	27,30
MBR20xxCT,MBRF20xxCT & MBRB20xxCT Series	27,30
SBL20xxCT,SBLF20xxCT & SBLB20xxCT Series	27,30
MBR2090(100)CT,MBRF2090(100)CT & MBRB2090(100)CT Series	27,30
MBR20150CT,MBRF20150CT	27
MBR20200CT,MBRF20200CT	27
MBR25xxCT,MBRF25xxCT & MBRB25xxCT Series	27,30
SBL25LxxCT,SBLF25LxxCT & SBLB25LxxCT Series	27,28,30
MBR3035(45)CT,MBRF3035(45)CT&MBRB3035(45)CT Series	28,30
MBR30150CT,MBRF30150CT	28
MBR3035PT thru MBR3060PT	28
MBR4035PT thru MBR4060PT	28

Bridge rectifiers31

橋式整流器	
MB2S thru MB10S	31
MB2M thru MB10M	31
RMB2S thru RMB4S	31
05(B,G,J)4B48	31
05GU4B48	31
U05(B,G,J)4B48	31
U05GU4B48	31
MF2M thru MF10M / MF2S thru MF10S	31
DF005 thru DF10	31
DF005S thru DF10S	31
DF15005S thru DF1510S	31
RB151-RB157 / W005G-W10 / W005G-W10G / W005M-W10M / W005GM-W10GM	31
W005G thru W10G	32
2W005M thru 2W10M / 2W005G thru 2W10G	32
KBP005M thru KBP10M	32
GBL005 thru GBL10	32
KBL005 thru KBL10	32
GBU4A thru GBU4M	32
GBU6A thru GBU6M	32
GBU8A thru GBU8M	32
KBU4A thru KBU4M	32
KBU6A thru KBU6M	32
KBU8A thru KBU8M	32
GBL2A thru GBL2M	32
GBL2AU thru GBL2MU	32
KBJ4A thru KBJ4M	32
KBJ4AU thru KBJ4MU	32
KBJ4AV thru KBJ4MV	32
GBJ6A thru GBJ6M	32
GBJ6AU thru GBJ6MU	32
GBJ8A thru GBJ8M	32
GBJ10A thru GBJ10M	32
GBJ15A thru GBJ15M	32
GBJ15AU thru GBJ15MU	32
GBJ20A thru GBJ20M	32
GBJ25A thru GBJ25M	32
KBPC10/15/25/35/50 Series	33

Zener diodes34

齊納穩壓管	
1N746 thru 1N759	34
1N957 thru 1N984	34
1N5221 thru 1N5281	34
ZMM5225 thru ZMM5267	34
BZX55 Series	34
BZV55 Series	34
BZT55 Series	34
BZM55 Series	34
BZX79 Series	34
ZPD1 thru ZPD75	34
ZMM1 thru ZMM75	34
1N4728 thru 1N4764	34
ZM4728 thru ZM4764	34
BZX85 Series	34
ZMY1 thru ZMY100	34
ZMU100 thru ZMU180	34

Transient voltage suppressors35

瞬態電壓抑制二極管	
P4KE6.8 thru P4KE550CA	35
P4SMA6.8A thru P4SMA550CA	35
SMAJ5.0 thru 440CA	35
SA5.0 thru SA180CA	35
P6KE6.8 thru P6KE550CA	35
P6SMB6.8A thru P6SMB550CA	35
SMBJ5.0 thru 440CA	35
1.5KE6.8 thru 1.5KE550CA	35
1N6267 thru 1N6303A	35
1.5SMC6.8A thru 1.5SMC550CA*	35
SMCJ5.0 thru 440CA	35
3KP5.0 thru 3KP220CA	35
5KP5.0 thru 5KP250CA	35

Small signal diodes

小信號二極管

Fast switching rectifiers

高速開關二極管

1N914	36
1N4150	36
1N4151	36
1N4454	36
1N4148	36
1N4448	36
BAV19 thru BAV21	36
BAW75 and BAW76	36
BAV100 thru BAV103	36
LL4148	36
LL4448	36
LL4150	36
LL4151	36
BAV200 / 201 / 202 / 203	36
BAV300 / 301 / 302 / 303	36
LS4148 / LS4448	36
MCL4148 / MCL4448	36
LS4150	36
LS4151	36
MCL4151	36
LS4154	36
MCL4154	36

Schottky diodes37

肖特基二極管	
1N5711 and 1N6263	37
BAT85	37
BAT86	37
BAT41	37
BAT42 and BAT43	37
BAT46	37
BAT48	37
BAT81S / 82S / 83S	37
SD101A thru SD101C	37
SD103A thru SD103C	37
LL5711 and LL6263	37
BAS81 / 82 / 83	37
BAS85	37
BAS86	37
LL41	37
LL42 and LL43	37
LL46	37
LL48	37
LL101A thru LL101C	37
LS101A / 101B / 101C	37
MCL101A / 101B / 101C	37
LL103A thru LL103C	37
LS103A / 103B / 103C	37
MCL103A / 103B / 103C	37

High voltage rectifiers	38
高反壓整流二極管	
BY127,BY133,EM513,EM516,EM518	38
GI250-1 thru GI250-4	38
R1200 thru R2000	38
R1200F thru R2000F	38
R2500 thru R5000	38
R2500F thru R5000F	38
FR15,GHR16	38
1F10 thru 1F18	38

Transient Voltage Suppressor for ESD Protection39

瞬態電壓抑制器	
SES3V3D923-2U *	39
SES3V3N1006-2U *	39
SES5VD923-2U *	39
SES5VD923A *	39
SES5VD523-2U *	39
SES7VD523-2U *	39
SES12VD523-2U *	39
SES5VD323-2U *	39
SES3V3D923-2B *	39
SES5VN1006-2B *	39
SES5VD923-2B *	39
SES5VD523-2B *	39
SES7VD523-2B *	39
SES5VD323-2B *	39
SES5VN1616-3 *	39
SES5VT23-3 *	39
SES12VT23-3 *	39
SES5VT553-5 *	39
SES12VN1010-5 *	39
SES5VT563-6 *	39
SES5VT353-5 *	39
SES5VT363-6 *	39
SES2V8P8U *	39
SES2V8P8 *	39
SES5VT236-6U *	39

Polymer ESD Suppressors40

聚合物靜電抑制器	
MLSEP12A-0402 *	40
MLSEP24B-0603 *	40
MLSEP12A-1206A4 *	40
MLSEP08A-2510 *	40

Programmable Overvoltage Protector41

可編程過壓保護器	
SVG085D *	41
SVG120D *	41
SVG170D *	41

Over-voltage Protection Thyristor41

固體放電管	
SVP0080	41
SVP0300	41
SVP0640	41
SVP0720	41
SVP0900	41
SVP1100	41
SVP1300	41
SVP1500	41
SVP1800	41
SVP2300	41
SVP2600	41
SVP3100	41
SVP3500	41

Electronics lamp ballasts rectifiers42

電子節能燈專用整流二極管	
BHT18	42
BHT18G	42

Power rectifiers43

功率整流二極管	
40HF(R) Series	43
70HF(R) Series	43
1N6097 thru 1N6098	43
SBR6035 thru SBR6045	43
SBR7035 thru SBR7045	43

Bi-Directional trigger DIAC44

硅雙向觸發二極管	
DB3, DB4, DC34	44
LLDB-3, LLDB-4 *	44

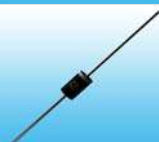
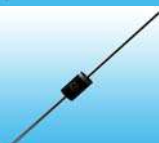
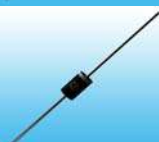
Outline	46
外型圖	

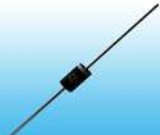
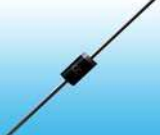
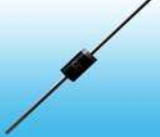
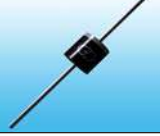
Attention	56
注意	

Note:

* : Surface Mount Device

Glass passivated rectifiers 玻璃鈍化整流二極管

Package (Axial Lead)		I _{F(AV)} (Amps)	V _{RRM} (Volts) / V _F														
			50	100	200	300	400	500	600	800	1000	1100	1200	1300	1400	1500	1600
			V _F <1.1V			V _F <1.4V		V _F <1.1V						V _F <1.3V			
R-1		1.0	1G1	1G2	1G3		1G4		1G5	1G6	1G7						
DO-204AL (DO-41)		1.0	1N 4001G	1N 4002G	1N 4003G		1N 4004G		1N 4005G	1N 4006G	1N 4007G						
A-405		1.0	1N 4001SG	1N 4002SG	1N 4003SG		1N 4004SG		1N 4005SG	1N 4006SG	1N 4007SG						
DO-204AL (DO-41)		1.0	GP10A	GP10B	GP10D		GP10G		GP10J	GP10K	GP10M	GP10N	GP10Q	GP10T	GP10V	GP10W	GP10Y
			V _F <1.2V														
A-405		1.0	GP10AS	GP10BS	GP10DS		GP10GS		GP10JS	GP10KS	GP10MS	GP10NS	GP10QS	GP10TS	GP10VS	GP10WS	GP10YS
			V _F <1.2V														
A-405		1.0	RL101G	RL102G	RL103G		RL104G		RL105G	RL106G	RL107G						
DO-204AC (DO-15)		1.5	1N 5391G	1N 5392G	1N 5393G	1N 5394G	1N 5395G	1N 5396G	1N 5397G	1N 5398G	1N 5399G						
			(V _F <1.4V)														
DO-204AC (DO-15)		1.5	GP15A	GP15B	GP15D		GP15G		GP15J	GP15K	GP15M						
DO-204AC (DO-15)		1.5	RL151G	RL152G	RL153G		RL154G		RL155G	RL156G	RL157G						
DO-201		2.0	GP20A	GP20B	GP20D		GP20G		GP20J	GP20K	GP20M						
DO-204AC (DO-15)		2.0	DR200G	DR201G	DR202G		DR204G		DR206G	DR208G	DR210G						

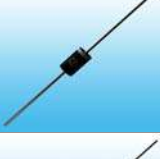
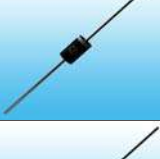
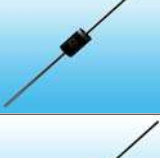
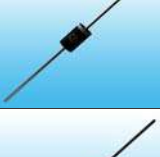
Package (Axial Lead)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F														
		50	100	200	300	400	500	600	800	1000	1100	1200	1300	1400	1500	1600
		$V_F < 1.1V$			$V_F < 1.4V$		$V_F < 1.1V$							$V_F < 1.3V$		
DO-204AC (DO-15)	 2.0	RL201G	RL202G	RL203G		RL204G		RL205G	RL206G	RL207G						
DO-201AD	 3.0	1N 5400G	1N 5401G	1N 5402G		1N 5404G		1N 5406G	1N 5407G	1N 5408G						
DO-201AD	 3.0	GP30A	GP30B	GP30D		GP30G		GP30J	GP30K	GP30M						
		$V_F < 1.2V$				$V_F < 1.2V$		$V_F < 1.2V$								
P600 or R-6	 6.0	6A05G	6A1G	6A2G		6A4G		6A6G	6A8G	6A10G						
				$(V_F < 1.0V)$		$(V_F < 1.0V)$		$(V_F < 1.0V)$								

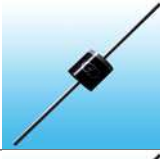
Package (Surface Mount)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F								
		50	100	200	300	400	500	600	800	1000
		$V_F < 1.1V$			$V_F < 1.4V$		$V_F < 1.1V$			
DO-214AC (SMA)	 1.0	GN1A	GN1B	GN1D		GN1G		GN1J	GN1K	GN1M
DO-214AA (SMB)	 1.5	GNOA	GNOB	GNOD		GNOG		GNOJ	GNOK	GNOM
		$(V_F < 1.15V)$				$(V_F < 1.15V)$		$(V_F < 1.15V)$		
DO-214AC (SMA)	 1.5	GNOAA	GNOBA	GNODA		GNOGA		GNOJA	GNOKA	GNOMA
		$(V_F < 1.15V)$				$(V_F < 1.15V)$		$(V_F < 1.15V)$		
DO-214AB (SMC)	 3.0	GN3A	GN3B	GN3D		GN3G		GN3J	GN3K	GN3M
		$(V_F < 1.15V)$				$(V_F < 1.15V)$		$(V_F < 1.15V)$		

Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

General purpose plastic rectifiers 通用塑封整流二極管

Package (Axial Lead)		$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F								
			50	100	200	300	400	500	600	800	1000
			$V_F < 1.1V$								
R-1		1.0	1A1	1A2	1A3		1A4		1A5	1A6	1A7
DO-204AL (DO-41)		1.0	1N 4001	1N 4002	1N 4003		1N 4004		1N 4005	1N 4006	1N 4007
A-405		1.0	1N 4001S	1N 4002S	1N 4003S		1N 4004S		1N 4005S	1N 4006S	1N 4007S
A-405		1.0	RL 101	RL 102	RL 103		RL 104		RL 105	RL 106	RL 107
DO-204AC (DO-15)		1.5	1N 5391	1N 5392	1N 5393	1N 5394	1N 5395	1N 5396	1N 5397	1N 5398	1N 5399
			$(V_F < 1.4V)$								
DO-204AL (DO-41)		1.5	1N 5391L	1N 5392L	1N 5393L	1N 5394L	1N 5395L	1N 5396L	1N 5397L	1N 5398L	1N 5399L
			$(V_F < 1.4V)$								
DO-204AC (DO-15)		1.5	RL 151	RL 152	RL 153		RL 154		RL 155	RL 156	RL 157
DO-204AC (DO-15)		1.2		1SG 1885			1SG 1887		1SG 1888		
				$(V_F < 1.0V)$			$(V_F < 1.0V)$		$(V_F < 1.0V)$		
DO-204AC (DO-15)		2.0	RL 201	RL 202	RL 203		RL 204		RL 205	RL 206	RL 207
R-3		2.5	RL 251	RL 252	RL 253		RL 254		RL 255	RL 256	RL 257
DO-201AD		3.0	1N5400	1N5401	1N5402	1N5403	1N5404	1N5405	1N5406	1N5407	1N5408
			$(V_F < 1.2V)$								

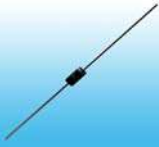
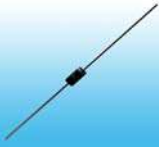
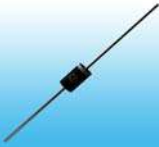
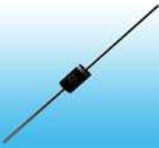
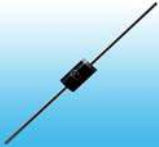
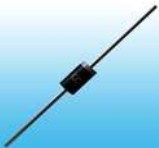
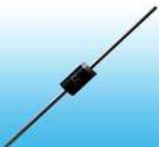
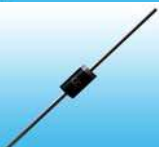
Package (Axial Lead)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F									
		50	100	200	300	400	500	600	800	1000	1300
DO-201AD 	3.0	P300A	P300B	P300D		P300G		P300J	P300K	P300M	
		$(V_F < 1.2V)$				$(V_F < 1.2V)$		$(V_F < 1.2V)$			
DO-201AD 	3.0			BY251		BY252		BY253	BY254		BY255
				$(V_F < 1.1V)$		$(V_F < 1.1V)$		$(V_F < 1.1V)$			$(V_F < 1.1V)$
P600 or R-6 	6.0	P600A	P600B	P600D		P600G		P600J	P600K	P600M	
		$(V_F < 0.9V)$				$(V_F < 0.9V)$		$(V_F < 0.9V)$		$(V_F < 1.0V)$	
P600 or R-6 	6.0	6A05	6A1	6A2		6A4		6A6	6A8	6A10	
		$(V_F < 0.95V)$				$(V_F < 0.95V)$		$(V_F < 0.95V)$			
P600 or R-6 	10.0	10A05	10A1	10A2		10A4		10A6	10A8	10A10	
		$(V_F < 1.0V)$				$(V_F < 1.0V)$		$(V_F < 1.0V)$			

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Glass passivated fast recovery rectifiers 玻璃鈍化快速恢復整流二極管

Package (Axial Lead)		$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F / t_{rr}						
			50	100	200	400	600	800	1000
			$V_F < 1.3V$ $t_{rr} < 150nS$				$V_F < 1.3V$ $t_{rr} < 250nS$	$V_F < 1.3V$ $t_{rr} < 500nS$	
R-1		1.0	1F1G	1F2G	1F3G	1F4G	1F5G	1F6G	1F7G
DO-204AL (DO-41)		1.0	FR101G	FR102G	FR103G	FR104G	FR105G	FR106G	FR107G
A-405		1.0	FR101SG	FR102SG	FR103SG	FR104SG	FR105SG	FR106SG	FR107SG
DO-204AL (DO-41)		1.0	RGP10A	RGP10B	RGP10D	RGP10G	RGP10J	RGP10K	RGP10M
A-405		1.0	RGP10AS	RGP10BS	RGP10DS	RGP10GS	RGP10JS	RGP10KS	RGP10MS
DO-204AL (DO-41)		1.0	1N4933G	1N4934G	1N4935G	1N4936G	1N4937G		
			$(V_F < 1.2V$ $t_{rr} < 200nS)$						
A-405		1.0	1N4933SG	1N4934SG	1N4935SG	1N4936SG	1N4937SG		
			$(V_F < 1.2V$ $t_{rr} < 200nS)$						
DO-204AL (DO-41)		1.0			1N4942G	1N4944G	1N4946G	1N4947G	1N4948G
								$(t_{rr} < 250nS)$	
DO-204AL (DO-41)		1.0				BA157G	BA158G	BA159DG	BA159G
A-405		1.0	RL101FG	RL102FG	RL103FG	RL104FG	RL105FG	RL106FG	RL107FG
DO-204AC (DO-15)		1.5	FR151G	FR152G	FR153G	FR154G	FR155G	FR156G	FR157G

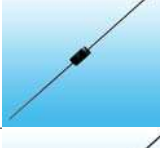
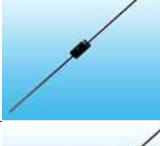
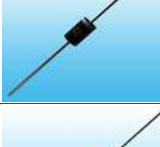
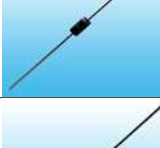
Package (Axial Lead)		$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F / t_{rr}						
			50	100	200	400	600	800	1000
			$V_F < 1.3V$ $t_{rr} < 150nS$				$V_F < 1.3V$ $t_{rr} < 250nS$	$V_F < 1.3V$ $t_{rr} < 500nS$	
DO-204AL (DO-41)		1.5	FR151LG	FR152LG	FR153LG	FR154LG	FR155LG	FR156LG	FR157LG
DO-204AC (DO-15)		1.5	RGP15A	RGP15B	RGP15D	RGP15G	RGP15J	RGP15K	RGP15M
DO-204AC (DO-15)		2.0	FR201G	FR202G	FR203G	FR204G	FR205G	FR206G	FR207G
DO-201		2.0	RGP20A	RGP20B	RGP20D	RGP20G	RGP20J	RGP20K	RGP20M
DO-201AD		2.5	RGP25A	RGP25B	RGP25D	RGP25G	RGP25J	RGP25K	RGP25M
DO-201AD		3.0	FR301G	FR302G	FR303G	FR304G	FR305G	FR306G	FR307G
DO-201AD		3.0	RGP30A	RGP30B	RGP30D	RGP30G	RGP30J	RGP30K	RGP30M
P600 or R-6		6.0	FR601G	FR602G	FR603G	FR604G	FR605G	FR606G	FR607G

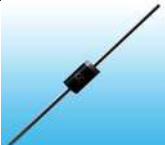
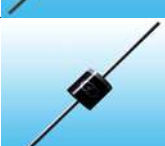
Package (Surface Mount)		$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F / t_{rr}						
			50	100	200	400	600	800	1000
			$V_F < 1.3V$ $t_{rr} < 150nS$				$V_F < 1.3V$ $t_{rr} < 250nS$	$V_F < 1.3V$ $t_{rr} < 500nS$	
DO-214AC (SMA)		1.0	GR1A	GR1B	GR1D	GR1G	GR1J	GR1K	GR1M
DO-214AA (SMB)		1.5	GROA	GROB	GROD	GROG	GROJ	GROK	GROM
DO-214AC (SMA)		1.5	GROAA	GROBA	GRODA	GROGA	GROJA	GROKA	GROMA
DO-214AB (SMC)		3.0	GR3A	GR3B	GR3D	GR3G	GR3J	GR3K	GR3M
DO-214AA (SMB)		3.0	GR3AB	GR3BB	GR3DB	GR3GB	GR3JB	GR3KB	GR3MB

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.
- (2) Reverse recovery time(t_{rr}) test conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

Fast recovery rectifiers 快速恢復整流二極管

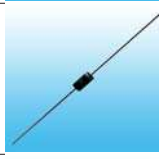
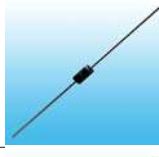
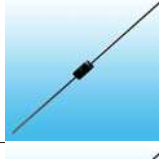
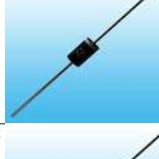
Package (Axial Lead)		$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F / t_r						
			50	100	200	400	600	800	1000
			$V_F < 1.2V$ $t_r < 150nS$				$V_F < 1.2V$ $t_r < 250nS$	$V_F < 1.2V$ $t_r < 500nS$	
R-1		1.0	1F1	1F2	1F3	1F4	1F5	1F6	1F7
DO-204AL (DO-41)		1.0	FR101	FR102	FR103	FR104	FR105	FR106	FR107
A-405		1.0	FR101S	FR102S	FR103S	FR104S	FR105S	FR106S	FR107S
DO-204AL (DO-41)		1.0	1N4933	1N4934	1N4935	1N4936	1N4937		
			$(t_r < 200nS)$						
A-405		1.0	1N4933S	1N4934S	1N4935S	1N4936S	1N4937S		
			$(t_r < 200nS)$						
DO-204AL (DO-41)		1.0			1N4942	1N4944	1N4946	1N4947	1N4948
								$(t_r < 250nS)$	
DO-204AL (DO-41)		1.0				BA157	BA158	BA159D	BA159
						$(V_F < 1.3V)$			
A-405		1.0	RL101F	RL102F	RL103F	RL104F	RL105F	RL106F	RL107F
DO-204AC (DO-15)		1.5	FR151	FR152	FR153	FR154	FR155	FR156	FR157
DO-204AL (DO-41)		1.5	FR151L	FR152L	FR153L	FR154L	FR155L	FR156L	FR157L
DO-204AC (DO-15)		2.0	FR201	FR202	FR203	FR204	FR205	FR206	FR207

Package (Axial Lead)		$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F / t_{rr}						
			50	100	200	400	600	800	1000
			$V_F<1.2V$ $t_{rr}<150nS$				$V_F<1.2V$ $t_{rr}<250nS$	$V_F<1.2V$ $t_{rr}<500nS$	
DO-201AD		2.0		BY296	BY297	BY298		BY299	
			$(t_{rr}<250nS)$					$(t_{rr}<250nS)$	
R-3		2.5	FR251	FR252	FR253	FR254	FR255 $(V_F<1.3V$ $t_{rr}<250nS)$ FR255-STR $(V_F<1.3V$ $t_{rr}<150nS)$	FR256 $(V_F<1.3V)$	FR257 $(V_F<1.3V$ $t_{rr}<500nS)$ FR257-STR $(V_F<1.3V$ $t_{rr}<250nS)$
			$(V_F<1.3V)$						
DO-201AD		3.0	FR301	FR302	FR303	FR304	FR305	FR306	FR307
DO-201AD		3.0		BY396	BY397	BY398		BY399	
			$(V_F<1.25V$ $t_{rr}<500nS)$					$(V_F<1.25V$ $t_{rr}<500nS)$	
DO-201AD		3.0	MR850	MR851	MR852	MR854	MR856	MR858	
			$(V_F<1.25V$ $t_{rr}<100nS)$				$(V_F<1.3V$ $t_{rr}<150nS)$		
DO-201AD		5.0	BY500 -50	BY500 -100	BY500 -200	BY500 -400	BY500 -600	BY500 -800	BY500 -1000
			$(V_F<1.35V$ $t_{rr}<200nS)$						
P600 or R-6		6.0	FR601	FR602	FR603	FR604	FR605	FR606	FR607

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.
- (2) Reverse recovery time(t_{rr}) test conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

Glass passivated high efficiency rectifiers 玻璃鈍化高效整流二極管

Package (Axial Lead)		I _F (Amps)	V _{RRM} (Volts) / V _F / t _{rr}									
			50	100	150	200	300	400	500	600	800	1000
			V _F < 1.0V t _{rr} < 50nS					V _F < 1.3V t _{rr} < 50nS		V _F < 1.7V t _{rr} < 75nS		
R-1		1.0	1H1G	1H2G		1H3G	1H4G	1H5G		1H6G	1H7G	1H8G
DO-204AL (DO-41)		1.0	HER 101G	HER 102G		HER 103G	HER 104G	HER 105G		HER 106G	HER 107G	HER 108G
A-405		1.0	HER 101SG	HER 102SG		HER 103SG	HER 104SG	HER 105SG		HER 106SG	HER 107SG	HER 108SG
DO-204AL (DO-41)		1.0	HER 1001G	HER 1002G		HER 1003G		HER 1004G		HER 1005G	HER 1006G	HER 1007G
DO-204AL (DO-41)		1.0	UF4001	UF4002		UF4003		UF4004 (V _F < 1.0V)		UF4005	UF4006	UF4007
DO-204AL (DO-41)		1.0	EGP10A	EGP10B	EGP10C	EGP10D	EGP10F	EGP10G				
			(V _F < 0.95V)				(V _F < 1.25V)					
DO-204AC (DO-15)		1.5	HER 151G	HER 152G		HER 153G	HER 154G	HER 155G		HER 156G	HER 157G	HER 158G
DO-204AC (DO-15)		2.0	HER 201G	HER 202G		HER 203G	HER 204G	HER 205G		HER 206G	HER 207G	HER 208G
DO-204AC (DO-15)		2.0	HER 2001G	HER 2002G		HER 2003G		HER 2004G		HER 2005G	HER 2006G	HER 2007G
DO-204AC (DO-15)		2.0	EGP20A	EGP20B	EGP20C	EGP20D	EGP20F	EGP20G				
			(V _F < 0.95V)				(V _F < 1.25V)					
DO-201AD		3.0	HER 301G	HER 302G		HER 303G	HER 304G	HER 305G		HER 306G	HER 307G	HER 308G

Package (Axial Lead)	I_F (Amps)	V_{RRM} (Volts) / V_F / t_{rr}									
		50	100	150	200	300	400	500	600	800	1000
		$V_F < 1.0V$ $t_{rr} < 50nS$					$V_F < 1.3V$ $t_{rr} < 50nS$	$V_F < 1.7V$ $t_{rr} < 75nS$			
DO-201AD	3.0	HER 3001G	HER 3002G		HER 3003G		HER 3004G		HER 3005G	HER 3006G	HER 3007G
DO-201AD	3.0	UF5400	UF5401		UF5402	UF5403	UF5404 ($V_F < 1.0V$)	UF5405	UF5406	UF5407	UF5408
DO-201AD	3.0	EGP30A	EGP30B	EGP30C	EGP30D	EGP30F	EGP30G				
		$(V_F < 0.95V)$				$(V_F < 1.25V)$					
P600 or R-6	6.0	HER 601G	HER 602G		HER 603G	HER 604G	HER 605G		HER 606G	HER 607G	HER 608G
TO-220AC	8.0	UF800	UF801		UF802	UF803 ($V_F < 1.3V$)	UF804		UF806	UF808	
									$(t_{rr} < 100nS)$		
ITO-220AC	8.0	UF800F	UF801F		UF802F	UF803 ($V_F < 1.3V$)	UF804F		UF806F	UF808F	
									$(t_{rr} < 100nS)$		
TO-220AC	10.0	UF1000	UF1001		UF1002	UF1003 ($V_F < 1.3V$)	UF1004		UF1006	UF1008	
									$(t_{rr} < 100nS)$		
ITO-220AC	10.0	UF1000F	UF1001F		UF1002F	UF1003F ($V_F < 1.3V$)	UF1004F		UF1006F	UF1008F	
									$(t_{rr} < 100nS)$		
TO-220AB	10.0	UF1000CT	UF1001CT		UF1002CT	UF1003CT ($V_F < 1.3V$)	UF1004CT		UF1006CT	UF1008CT	
									$(t_{rr} < 100nS)$		
ITO-220AB	10.0	UF1000FCT	UF1001FCT		UF1002FCT	UF1003FCT ($V_F < 1.3V$)	US1004FCT		UF1006FCT	UF1008FCT	
									$(t_{rr} < 100nS)$		
TO-220AB	16.0	UF1600CT	UF1601CT		UF1602CT	UF1603CT ($V_F < 1.3V$)	UF1604CT		UF1606CT	UF1608CT	
									$(t_{rr} < 100nS)$		

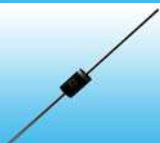
Package (Axial Lead)	I_F (Amps)	V_{RRM} (Volts) / V_F / t_{rr}									
		50	100	150	200	300	400	500	600	800	1000
		$V_F < 1.0V$ $t_{rr} < 50nS$					$V_F < 1.3V$ $t_{rr} < 50nS$	$V_F < 1.7V$ $t_{rr} < 75nS$			
ITO-220AB	16.0	UF1600FCT	UF1601FCT		UF1602FCT	UF1603FCT ($V_F < 1.3V$)	UF1604FCT		UF1606FCT	UF1608FCT	
		(t _{rr} < 100nS)									

Package (Surface Mount)	I_F (Amps)	V_{RRM} (Volts) / V_F / t_{rr}								
		50	100	200	300	400	600	800	1000	
		$V_F < 1.0V$ $t_{rr} < 50nS$				$V_F < 1.3V$ $t_{rr} < 50nS$	$V_F < 1.7V$ $t_{rr} < 75nS$			
DO-214AC (SMA)	1.0	HS1A	HS1B	HS1D	HS1F	HS1G	HS1J	HS1K	HS1M	
DO-214AA (SMB)	1.5	HS2A	HS2B	HS2D	HS2F	HS2G	HS2J	HS2K	HS2M	
DO-214AB (SMC)	3.0	HS3A	HS3B	HS3D	HS3F	HS3G	HS3J	HS3K	HS3M	

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.
- (2) Reverse recovery time(t_{rr}) test conditions: I_F=0.5A, I_R=1.0A, I_{RR}=0.25A

High efficiency rectifiers 高效整流二極管

Package (Axial Lead)		$I_{F(AV)}$ (Amps)	V_{RRM} (Volts)							
			50	100	200	300	400	600	800	1000
			$V_F < 1.0V$ $t_r < 50nS$			$V_F < 1.3V$ $t_r < 50nS$		$V_F < 1.7V$ $t_r < 75nS$		
R-1		1.0	1H1	1H2	1H3	1H4	1H5	1H6	1H7	1H8
DO-204AL (DO-41)		1.0	HER101	HER102	HER103	HER104	HER105	HER106	HER107	HER108
A-405		1.0	HER101S	HER102S	HER103S	HER104S	HER105S	HER106S	HER107S	HER108S
DO-204AL (DO-41)		1.0	HER1001	HER1002	HER1003		HER1004	HER1005	HER1006	HER1007
								$(t_r < 100nS)$		
DO-204AC (DO-15)		1.5	HER151	HER152	HER153	HER154	HER155	HER156	HER157	HER158
DO-204AL (DO-41)		1.5	HER151L	HER152L	HER153L	HER154L	HER155L	HER156L	HER157L	HER158L
DO-204AC (DO-15)		2.0	HER201	HER202	HER203	HER204	HER205	HER206	HER207	HER208
DO-204AC (DO-15)		2.0	HER2001	HER2002	HER2003		HER2004	HER2005	HER2006	HER2007
DO-201AD		3.0	HER301	HER302	HER303	HER304 $(V_F < 1.0V)$	HER305	HER306	HER307	HER308
DO-201AD		3.0	HER3001	HER3002	HER3003		HER3004	HER3005	HER3006	HER3007
P600 or R-6		6.0	HER601	HER602	HER603	HER604	HER605	HER606	HER607	HER608

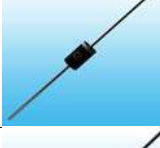
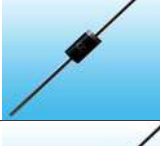
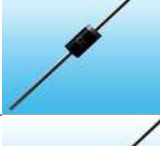
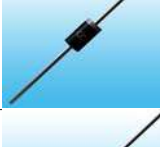
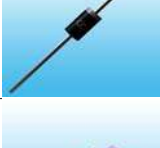
Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

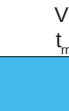
(2) Reverse recovery time(t_r) test conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

<http://www.goodark.com>

Glass passivated super fast rectifiers 玻璃鈍化超快速整流二極管

Package (Axial Lead)		I_F (Amps)	V_{RRM} (Volts) / V_F / t_{rr}								
			50	100	150	200	300	400	600	800	1000
			$V_F < 0.95V$ $t_{rr} < 35nS$				$V_F < 1.3V$ $t_{rr} < 35nS$		$V_F < 1.7V$ $t_{rr} < 35nS$		
R-1		1.0	1S1G	1S2G	1S3G	1S4G	1S5G	1S6G	1S7G	1S8G	1S9G
DO-204AL (DO-41)		1.0	SF11	SF12	SF13	SF14	SF15	SF16	SF17	SF18	SF19
A-405		1.0	SF11S	SF12S	SF13S	SF14S	SF15S	SF16S	SF17S	SF18S	SF19S
DO-204AC (DO-15)		1.0				MUR120 ($V_F < 0.875V$ $t_{rr} < 25nS$)		MUR140 ($V_F < 1.25V$ $t_{rr} < 50nS$)	MUR160		
DO-204AC (DO-15)		2.0	SF21	SF22	SF23	SF24	SF25	SF26	SF27	SF28	SF29
DO-201AD		3.0	SF31	SF32	SF33	SF34	SF35	SF36	SF37	SF38	SF39
DO-201AD		4.0	SF41	SF42	SF43	SF44	SF45 ($V_F < 1.25V$ $t_{rr} < 40nS$)	SF46 ($V_F < 1.3V$ $t_{rr} < 50nS$)	SF47 ($V_F < 1.7V$ $t_{rr} < 50nS$)	SF48	SF49
DO-201AD		4.0				MUR420 ($V_F < 0.890V$ $t_{rr} < 25nS$)		MUR440 ($V_F < 1.28V$ $t_{rr} < 50nS$)	MUR460		
DO-201AD		5.0	SF51	SF52	SF53	SF54	SF55 ($V_F < 1.25V$)	SF56 ($V_F < 1.3V$)	SF57 ($V_F < 1.7V$)	SF58	SF59
DO-201AD		6.0	SF61	SF62	SF63	SF64	SF65	SF66	SF67	SF68	SF69
TO-220AB		6.0	MUR605CT ($V_F < 0.975V$)	MUR610CT		MUR620CT ($V_F < 0.975V$)		MUR640CT ($V_F < 1.3V$ $t_{rr} < 60nS$)	MUR660CT ($V_F < 1.7V$ $t_{rr} < 70nS$)		

Package (Axial Lead)	I_F (Amps)	V_{RRM} (Volts) / V_F / t_{rr}								
		50	100	150	200	300	400	600	800	1000
		$V_F < 0.95V$ $t_{rr} < 35nS$				$V_F < 1.3V$ $t_{rr} < 35nS$		$V_F < 1.7V$ $t_{rr} < 35nS$		
TO-220AC	 8.0	MUR805	MUR810		MUR820		MUR840	MUR860		
		$(V_F < 1.0V$ $t_{rr} < 50nS)$			$(V_F < 1.0V$ $t_{rr} < 50nS)$		$(V_F < 1.3V$ $t_{rr} < 50nS)$	$(V_F < 1.8V$ $t_{rr} < 50nS)$		
TO-220AB	 8.0	MUR805CT	MUR810CT		MUR820CT		MUR840CT	MUR860CT		
		$(V_F < 2.2V$ $t_{rr} < 30nS)$			$(V_F < 2.2V$ $t_{rr} < 30nS)$		$(V_F < 2.2V$ $t_{rr} < 50nS)$	$(V_F < 2.8V$ $t_{rr} < 50nS)$		
TO-220AB	 10.0	MUR1005CT	MUR1010CT	MUR1015CT	MUR1020CT	MUR1030CT	MUR1040CT			
						$(V_F < 1.3V$ $t_{rr} < 50nS)$				
ITO-220AB	 10.0	MUR1005FCT	MUR1010FCT	MUR1015FCT	MUR1020FCT	MUR1030FCT	MUR1040FCT			
						$(V_F < 1.3V$ $t_{rr} < 50nS)$				
TO-220AC	 15.0	MUR1505	MUR1510		MUR1520		MUR1540	MUR1560		
		$(V_F < 1.25V$ $t_{rr} < 35nS)$			$(V_F < 1.25V$ $t_{rr} < 35nS)$		$(V_F < 2.0V$ $t_{rr} < 60nS)$			
TO-220AB	 16.0	MUR1605CT	MUR1610CT		MUR1620CT	MUR1630CT	MUR1640CT	MUR1660CT		
		$(V_F < 0.975V$ $t_{rr} < 35nS)$			$(V_F < 0.975V$ $t_{rr} < 35nS)$	$(V_F < 1.3V$ $t_{rr} < 35nS)$	$(V_F < 1.3V$ $t_{rr} < 50nS)$			
TO-220AB	 20.0		MUR2010CT		MUR2020CT					
			$(V_F < 1.1V$ $t_{rr} < 35nS)$		$(V_F < 1.0V$ $t_{rr} < 35nS)$					

Package (Surface Mount)		I_F (Amps)	V_{RRM} (Volts) / V_F / t_{rr}								
			50	100	150	200	300	400	600	800	1000
			$V_F<0.95V$ $t_{rr}<35nS$				$V_F<1.3V$ $t_{rr}<35nS$		$V_F<1.7V$ $t_{rr}<35nS$		
DO-214AC (SMA)		1.0	ES1A	ES1B	ES1C	ES1D	ES1F	ES1G	ES1J	ES1K	ES1M
DO-214AA (SMB)		1.0				MURS 120 $(V_F<0.875V$ $t_{rr}<25nS)$		MURS 140 $(V_F<1.25V$ $t_{rr}<50nS)$	MURS 160		
DO-214AA (SMB)		2.0	ES2A	ES2B	ES2C	ES2D	ES2F	ES2G	ES2J	ES2K	ES2M
DO-214AC (SMA)		2.0	ES2AA	ES2BA	ES2CA	ES2DA	ES2FA	ES2GA	ES2JA	ES2KA	ES2MA
			$(V_F<0.92V$ $t_{rr}<25nS)$				$(V_F<1.25V$ $t_{rr}<25nS)$		$(V_F<1.7V$ $t_{rr}<25nS)$		
DO-214AB (SMC)		3.0	ES3A	ES3B	ES3C	ES3D	ES3F	ES3G	ES3J	ES3K	ES3M
DO-214AA (SMB)		3.0	ES3AB	ES3BB	ES3CB	ES3DB	ES3FB	ES3GB	ES3JB	ES3KB	ES3MB
			$(V_F<0.92V$ $t_{rr}<25nS)$				$(V_F<1.25V$ $t_{rr}<25nS)$		$(V_F<1.7V$ $t_{rr}<25nS)$		
TO-263AB (D ² Pak)		8.0	MURB805CT	MURB810CT		MURB820CT		MURB840CT	MURB860CT		
			$(V_F<1.25V$ $t_{rr}<35nS)$			$(V_F<1.25V$ $t_{rr}<35nS)$		$(V_F<1.5V$ $t_{rr}<50nS)$	$(V_F<1.75V$ $t_{rr}<75nS)$		
		16.0	MURB1605CT	MURB1610CT		MURB1620CT	MURB1630CT	MURB1640CT	MURB1660CT		
			$(V_F<0.975V$ $t_{rr}<35nS)$			$(V_F<0.975V$ $t_{rr}<35nS)$	$(V_F<1.3V$ $t_{rr}<35nS)$	$(V_F<1.3V$ $t_{rr}<50nS)$	$(V_F<1.5V$ $t_{rr}<50nS)$		

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.
- (2) Reverse recovery time(t_{rr}) test conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

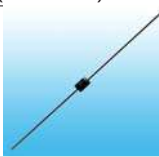
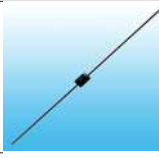
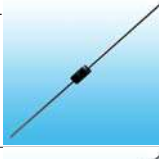
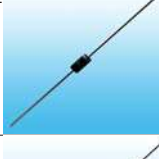
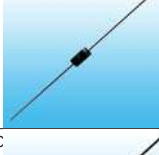
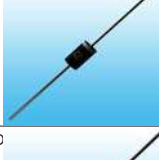
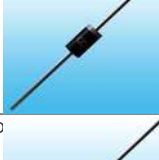
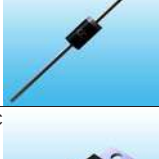
Super fast rectifiers 超快速恢復整流二極管

Package (Axial Lead)		I_F (Amps)	V_{RRM} (Volts) / V_F / t_{rr}								
			50	100	150	200	300	400	600	800	1000
			$V_F < 0.95V$ $t_{rr} < 35nS$				$V_F < 1.3V$ $t_{rr} < 35nS$		$V_F < 1.7V$ $t_{rr} < 35nS$		
R-1		1.0	1S1	1S2	1S3	1S4	1S5	1S6	1S7	1S8	1S9
DO-204AL (DO-41)		1.0	SF101	SF102	SF103	SF104	SF105	SF106	SF107	SF108	SF109
A-405		1.0	SF101S	SF102S	SF103S	SF104S	SF105S	SF106S	SF107S	SF108S	SF109S
DO-204AC (DO-15)		2.0	SF201	SF202	SF203	SF204	SF205	SF206	SF207	SF208	SF209
DO-201AD		3.0	SF301	SF302	SF303	SF304	SF305	SF306	SF307	SF308	SF309
DO-201AD		6.0	SF601	SF602	SF603	SF604	SF605	SF606	SF607	SF608	SF609
			$(V_F < 0.975V)$								

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.
- (2) Reverse recovery time(t_{rr}) test conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

Schottky barrier rectifiers 肖特基整流二極管

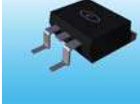
Package (Axial Lead)		I _{F(AV)} (Amps)	V _{RRM} (Volts) / V _F										
			20	30	35	40	45	50	60	70	80	90	100
R-1		0.6	SB020	SB030		SB040		SB050	SB060				
			(V _F <0.55V)			(V _F <0.55V)		(V _F <0.70V)					
R-1		1.0	1K2	1K3		1K4		1K5	1K6				
			(V _F <0.55V)			(V _F <0.55V)		(V _F <0.70V)					
DO-204AL (DO-41)		1.0	1N5817	1N5818		1N5819							
			(V _F <0.45V)	(V _F <0.55V)		(V _F <0.60V)							
R-1		1.0	1N17	1N18		1N19							
			(V _F <0.45V)	(V _F <0.55V)		(V _F <0.60V)							
DO-204AL (DO-41)		1.0	SB120	SB130		SB140		SB150	SB160	SB170	SB180	SB190	SB1B0
			(V _F <0.50V)			(V _F <0.50V)		(V _F <0.70V)		(V _F <0.79V)			
A-405		1.0	SB120S	SB130S		SB140S		SB150S	SB160S	SB170S	SB180S	SB190S	SB1B0S
			(V _F <0.50V)			(V _F <0.50V)		(V _F <0.70V)		(V _F <0.79V)			
DO-204AC (DO-15)		2.0	SB220	SB230		SB240		SB250	SB260	SB270	SB280	SB290	SB2B0
			(V _F <0.55V)			(V _F <0.55V)		(V _F <0.70V)		(V _F <0.79V)			
DO-201AD		3.0	1N5820	1N5821		1N5822							
			(V _F <0.475V)	(V _F <0.500V)		(V _F <0.525V)							
DO-201AD		3.0	SB320	SB330		SB340		SB350	SB360	SB370	SB380	SB390	SB3B0
			(V _F <0.50V)			(V _F <0.50V)		(V _F <0.74V)		(V _F <0.79V)			
DO-201AD		5.0	SB520	SB530		SB540		SB550	SB560				
			(V _F <0.55V)			(V _F <0.55V)		(V _F <0.67V)					
TO-220AC		7.5			MBR735		MBR745	MBR750	MBR760				
					-		-	(V _F <0.75V)					

Package (Axial Lead)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F												
		20	30	35	40	45	50	60	70	80	90	100	150	200
ITO-220AC 	7.5			MBRF735 -		MBRF745 -	MBRF750 ($V_F < 0.75V$)	MBRF760						
TO-220AC 	10.0			MBR1035 -		MBR1045 -	MBR1050 ($V_F < 0.80V$)	MBR1060			MBR1090 ($V_F < 0.80V$)	MBR10100		
ITO-220AC 				MBRF1035 -		MBRF1045 -	MBRF1050 ($V_F < 0.80V$)	MBRF1060			MBR1090 ($V_F < 0.80V$)	MBR10100		
TO-220AC 	10.0		SBL1030 ($V_F < 0.60V$)		SBL1040 ($V_F < 0.60V$)									
ITO-220AC 	10.0		SBLF1030 ($V_F < 0.60V$)		SBLF1040 ($V_F < 0.60V$)									
TO-220AB 	10.0		SBL1030CT ($V_F < 0.55V$)		SBL1040CT ($V_F < 0.55V$)									
ITO-220AB 	10.0		SBLF1030CT ($V_F < 0.55V$)		SBLF1040CT ($V_F < 0.55V$)									
TO-220AB 	10.0										MBR1090CT ($V_F < 0.85V$)	MBR10100CT ($V_F < 0.96V$)	MBR10150CT	
ITO-220AB 	10.0										MBR1090CT ($V_F < 0.85V$)	MBR10100CT ($V_F < 0.96V$)	MBR10150CT	
TO-220AB 	15.0			MBR1535CT -		MBR1545CT -	MBR1550CT ($V_F < 0.75V$)	MBR1560CT						
ITO-220AB 	15.0			MBRF1535CT -		MBRF1545CT -	MBRF1550CT ($V_F < 0.75V$)	MBRF1560CT						

Package (Axial Lead)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F													
		20	25	30	35	40	45	50	60	70	80	90	100	150	200
TO-220AC 	16.0				MBR1635 ($V_F < 0.63V$)		MBR1645 ($V_F < 0.63V$)	MBR1650 ($V_F < 0.75V$)	MBR1660						
ITO-220AC 	16.0				MBRF1635 ($V_F < 0.63V$)		MBRF1645 ($V_F < 0.63V$)	MBRF1650 ($V_F < 0.75V$)	MBRF1660						
TO-220AB 	16.0			SBL1630CT ($V_F < 0.55V$)		SBL1640CT ($V_F < 0.55V$)									
ITO-220AB 	16.0			SBLF1630CT ($V_F < 0.55V$)		SBLF1640CT ($V_F < 0.55V$)									
TO-220AB 	20.0				MBR2035CT -		MBR2045CT -	MBR2050CT ($V_F < 0.80V$)	MBR2060CT			MBR2090CT ($V_F < 0.80V$)	MBR20100CT ($V_F < 0.90V$)	MBR20150CT ($V_F < 0.81V$)	MBR20200CT
ITO-220AB 	20.0				MBRF2035CT -		MBRF2045CT -	MBRF2050CT ($V_F < 0.80V$)	MBRF2060CT			MBRF2090CT ($V_F < 0.80V$)	MBRF20100CT ($V_F < 0.90V$)	MBR20150CT ($V_F < 0.88V$)	MBR20200CT
TO-220AB 	20.0			SBL2030CT ($V_F < 0.60V$)		SBL2040CT ($V_F < 0.60V$)									
ITO-220AB 	20.0			SBLF2030CT ($V_F < 0.60V$)		SBLF2040CT ($V_F < 0.60V$)									
TO-220AB 	25.0				MBR2535CT -		MBR2545CT -	MBR2550CT ($V_F < 0.75V$)	MBR2560CT						
ITO-220AB 	25.0				MBRF2535CT -		MBRF2545CT -	MBRF2550CT ($V_F < 0.75V$)	MBRF2560CT						
TO-220AB 	25.0	SBL25L20CT ($V_F < 0.49V$)	SBL25L25CT	SBL25L30CT											

Package (Axial Lead)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts) / V_F													
		20	25	30	35	40	45	50	60	70	80	90	100	150	200
ITO-220AB 	25.0	SBLF25L20CT	SBLF25L25CT	SBLF25L30CT											
		$(V_F < 0.49V)$													
TO-220AB 	30.0				MBR3035CT		MBR3045CT							MBR30150CT	
					$(V_F < 0.60V)$		$(V_F < 0.60V)$							$(V_F < 0.90V)$	
ITO-220AB 	30.0				MBRF3035CT		MBRF3045CT							MBRF30150CT	
					$(V_F < 0.60V)$		$(V_F < 0.60V)$							$(V_F < 0.90V)$	
TO-247AD (TO-3P) 	30.0				MBR3035PT		MBR3045PT	MBR3050PT	MBR3060PT						
					-		-	$(V_F < 0.75V)$							
	40.0				MBR4035PT		MBR4045PT	MBR4050PT	MBR4060PT						
					$(V_F < 0.70V)$		$(V_F < 0.70V)$	$(V_F < 0.72V)$							

Package (Surface Mount)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts)											
		20	25	30	35	40	45	50	60	70	80	90	100
DO-214AC (SMA)	1.0	SK12 ($V_F < 0.50V$)		SK13 ($V_F < 0.50V$)		SK14 ($V_F < 0.50V$)		SK15 ($V_F < 0.70V$)	SK16 ($V_F < 0.70V$)	SK17 ($V_F < 0.79V$)	SK18 ($V_F < 0.79V$)	SK19 ($V_F < 0.79V$)	SK1B ($V_F < 0.79V$)
DO-214AC (SMA)	1.0	SL12 ($V_F < 0.385V$)		SL13 ($V_F < 0.385V$)		SL14 ($V_F < 0.400V$)							
DO-214AA (SMB)	2.0	SK22 ($V_F < 0.50V$)		SK23 ($V_F < 0.50V$)		SK24 ($V_F < 0.50V$)		SK25 ($V_F < 0.70V$)	SK26 ($V_F < 0.70V$)	SK27 ($V_F < 0.79V$)	SK28 ($V_F < 0.79V$)	SK29 ($V_F < 0.79V$)	SK2B ($V_F < 0.79V$)
DO-214AC (SMA)	2.0	SK22A ($V_F < 0.50V$)		SK23A ($V_F < 0.50V$)		SK24A ($V_F < 0.50V$)		SK25A ($V_F < 0.70V$)	SK26A ($V_F < 0.70V$)				
DO-214AA (SMB)	2.0	SL22 ($V_F < 0.385V$)		SL23 ($V_F < 0.385V$)		SL24 ($V_F < 0.400V$)							
DO-214AB (SMC)	3.0	SK32 ($V_F < 0.50V$)		SK33 ($V_F < 0.50V$)		SK34 ($V_F < 0.50V$)		SK35 ($V_F < 0.70V$)	SK36 ($V_F < 0.70V$)	SK37 ($V_F < 0.79V$)	SK38 ($V_F < 0.79V$)	SK39 ($V_F < 0.79V$)	SK3B ($V_F < 0.79V$)
DO-214AC (SMA)	3.0	SK32A ($V_F < 0.50V$)		SK33A ($V_F < 0.50V$)		SK34A ($V_F < 0.50V$)		SK35A ($V_F < 0.70V$)	SK36A ($V_F < 0.70V$)				
DO-214AB (SMC)	3.0	SL32 ($V_F < 0.385V$)		SL33 ($V_F < 0.385V$)		SL34 ($V_F < 0.400V$)							
TO-263AB (D ² Pak)	7.5				MBRB735 ($V_F < 0.75V$)		MBRB745 ($V_F < 0.75V$)	MBRB750 ($V_F < 0.75V$)	MBRB760 ($V_F < 0.75V$)				
	10.0				MBRB1035 ($V_F < 0.80V$)		MBRB1045 ($V_F < 0.80V$)	MBRB1050 ($V_F < 0.80V$)	MBRB1060 ($V_F < 0.80V$)			MBRB1090 ($V_F < 0.80V$)	MBRB10100 ($V_F < 0.80V$)
	10.0			SBLB1030 ($V_F < 0.60V$)		SBLB1040 ($V_F < 0.60V$)							

Package (Surface Mount)	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts)											
		20	25	30	35	40	45	50	60	70	80	90	100
TO-263AB (D ² Pak) 	10.0			<u>SBLB1030CT</u> ($V_F < 0.55V$)		<u>SBLB1040CT</u> ($V_F < 0.55V$)							
	15.0				<u>MBRB1535CT</u> -		<u>MBRB1545CT</u> -	<u>MBRB1550CT</u> ($V_F < 0.75V$)	<u>MBRB1560CT</u>				
	16.0				<u>MBRB1635</u> ($V_F < 0.63V$)		<u>MBRB1645</u> ($V_F < 0.63V$)	<u>MBRB1650</u> ($V_F < 0.75V$)	<u>MBRB1660</u>				
	16.0			<u>SBLB1630CT</u> ($V_F < 0.55V$)		<u>SBLB1640CT</u> ($V_F < 0.55V$)							
	20.0				<u>MBRB2035CT</u> -		<u>MBRB2045CT</u> -	<u>MBRB2050CT</u> ($V_F < 0.80V$)	<u>MBRB2060CT</u>			<u>MBRB2090CT</u> ($V_F < 0.80V$)	<u>MBRB20100CT</u>
	20.0			<u>SBLB2030CT</u> ($V_F < 0.60V$)		<u>SBLB2040CT</u> ($V_F < 0.60V$)							
	25.0				<u>MBRB2535CT</u> -		<u>MBRB2545CT</u> -	<u>MBRB2550CT</u> ($V_F < 0.75V$)	<u>MBRB2560CT</u>				
	25.0	<u>SBLB25 L20CT</u> ($V_F < 0.49V$)	<u>SBLB25 L25CT</u>	<u>SBLB25 L30CT</u>									
	30.0				<u>MBRB3035CT</u> ($V_F < 0.76V$)		<u>MBRB3045CT</u> ($V_F < 0.76V$)						

Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Bridge rectifiers 橋式整流器

Package	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts)						
		50	100	200	400	600	800	1000
TO-269AA (MBS) 	0.5 0.8 *			MB2S	MB4S	MB6S	MB8S	MB10S
MBM 	0.5 0.8 *			MB2M	MB4M	MB6M	MB8M	MB10M
TO-269AA (MBS) 	0.5 0.8 *			RMB2S	RMB4S			
12-5A1A 	0.5		05B4B48		05G4B48 05GU4B48	05J4B48		
12-5A2A 	0.5 0.8 *		U05B4B48		U05G4B48 U05GU4B48	U05J4B48		
MBM 	1.0			MF2M	MF4M	MF6M	MF8M	MF10M
TO-269AA (MBS) 	1.0			MF2S	MF4S	MF6S	MF8S	MF10S
DF 	1.0	DF005 DB101	DF01 DB102	DF02 DB103	DF04 DB104	DF06 DB105	DF08 DB106	DF10 DB107
DFS 	1.0	DF005S DB101S	DF01S DB102S	DF02S DB103S	DF04S DB104S	DF06S DB105S	DF08S DB106S	DF10S DB107S
DFS 	1.5	DF15005S	DF1501S	DF1502S	DF1504S	DF1506S	DF1508S	DF1510S
RB-15 WOB 	1.5	RB151 W005 W005G W005M W005GM	RB152 W01 W01G W01M W01GM	RB153 W02 W02G W02M W02GM	RB154 W04 W04G W04M W04GM	RB155 W06 W06G W06M W06GM	RB156 W08 W08G W08M W08GM	RB157 W10 W10G W10M W10GM

Package		I _{F(AV)} (Amps)	V _{RRM} (Volts)						
			50	100	200	400	600	800	1000
WOG		1.5	W005G	W01G	W02G	W04G	W06G	W08G	W10G
WOB		2.0	2W005M 2W005G	2W01M 2W01G	2W02M 2W02G	2W04M 2W04G	2W06M 2W06G	2W08M 2W08G	2W10M 2W10G
KBP		2.0	KBP005M	KBP01M	KBP02M	KBP04M	KBP06M	KBP08M	KBP10M
GBL		4.0	GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10
KBL		4.0	KBL005	KBL01	KBL02	KBL04	KBL06	KBL08	KBL10
GBU		4.0 6.0 8.0	GBU4A GBU6A GBU8A	GBU4B GBU6B GBU8B	GBU4D GBU4D GBU8D	GBU4G GBU6G GBU8G	GBU4J GBU6J GBU8J	GBU4K GBU6K GBU8K	GBU4M GBU6M GBU8M
KBU		4.0 6.0 8.0	KBU4A KBU6A KBU8A	KBU4B KBU6B KBU8B	KBU4D KBU4D KBU8D	KBU4G KBU6G KBU8G	KBU4J KBU6J KBU8J	KBU4K KBU6K KBU8K	KBU4M KBU6M KBU8M
GBL (2S)		2.0	GBL2A GBL2AU	GBL2B GBL2BU	GBL2D GBL2DU	GBL2G GBL2GU	GBL2J GBL2JU	GBL2K GBL2KU	GBL2M GBL2MU
KBJ (3S)		4.0	KBJ4A KBJ4AU KBJ4AV	KBJ4B KBJ4BU KBJ4BV	KBJ4D KBJ4DU KBJ4DV	KBJ4G KBJ4GU KBJ4GV	KBJ4J KBJ4JU KBJ4JV	KBJ4K KBJ4KU KBJ4KV	KBJ4M KBJ4MU KBJ4MV
GBJ (5S)		6.0	GBJ6A	GBJ6B	GBJ6D	GBJ6G	GBJ6J	GBJ6K	GBJ6M
		6.0	GBJ6AU	GBJ6BU	GBJ6DU	GBJ6GU	GBJ6JU	GBJ6KU	GBJ6MU
		8.0	GBJ8A	GBJ8B	GBJ8D	GBJ8G	GBJ8J	GBJ8K	GBJ8M
		10.0	GBJ10A	GBJ10B	GBJ10D	GBJ10G	GBJ10J	GBJ10K	GBJ10M
		15.0 15.0 20.0 25.0	GBJ15A GBJ15AU GBJ20A GBJ25A	GBJ15B GBJ15BU GBJ20B GBJ25B	GBJ15D GBJ15DU GBJ20D GBJ25D	GBJ15G GBJ15GU GBJ20G GBJ25G	GBJ15J GBJ15JU GBJ20J GBJ25J	GBJ15K GBJ15KU GBJ20K GBJ25K	GBJ15M GBJ15MU GBJ20M GBJ25M

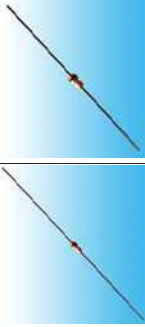
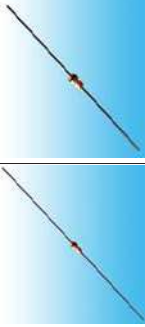
Package	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts)						
		50	100	200	400	600	800	1000
KBPC 	10.0	KBPC10005	KBPC1001	KBPC1002	KBPC1004	KBPC1006	KBPC1008	KBPC1010
	15.0	KBPC15005	KBPC1501	KBPC1502	KBPC1504	KBPC1506	KBPC1508	KBPC1510
	25.0	KBPC25005	KBPC2501	KBPC2502	KBPC2504	KBPC2506	KBPC2508	KBPC2510
	35.0	KBPC35005	KBPC3501	KBPC3502	KBPC3504	KBPC3506	KBPC3508	KBPC3510
	50.0	KPPC50005	KPPC5001	KPPC5002	KPPC5004	KPPC5006	KPPC5008	KPPC5010
	10.0	GBPC10005	GBPC1001	GBPC1002	GBPC1004	GBPC1006	GBPC1008	GBPC1010
	15.0	GBPC15005	GBPC1501	GBPC1502	GBPC1504	GBPC1506	GBPC1508	GBPC1510
	25.0	GBPC25005	GBPC2501	GBPC2502	GBPC2504	GBPC2506	GBPC2508	GBPC2510
	35.0	GBPC35005	GBPC3501	GBPC3502	GBPC3504	GBPC3506	GBPC3508	GBPC3510
KBPC-W 	10.0	KBPC10005W	KBPC1001W	KBPC1002W	KBPC1004W	KBPC1006W	KBPC1008W	KBPC1010W
	15.0	KBPC15005W	KBPC1501W	KBPC1502W	KBPC1504W	KBPC1506W	KBPC1508W	KBPC1510W
	25.0	KBPC25005W	KBPC2501W	KBPC2502W	KBPC2504W	KBPC2506W	KBPC2508W	KBPC2510W
	35.0	KBPC35005W	KBPC3501W	KBPC3502W	KBPC3504W	KBPC3506W	KBPC3508W	KBPC3510W
	50.0	KPPC50005W	KPPC5001W	KPPC5002W	KPPC5004W	KPPC5006W	KPPC5008W	KPPC5010W
	10.0	GBPC10005W	GBPC1001W	GBPC1002W	GBPC1004W	GBPC1006W	GBPC1008W	GBPC1010W
	15.0	GBPC15005W	GBPC1501W	GBPC1502W	GBPC1504W	GBPC1506W	GBPC1508W	GBPC1510W
	25.0	GBPC25005W	GBPC2501W	GBPC2502W	GBPC2504W	GBPC2506W	GBPC2508W	GBPC2510W
	35.0	GBPC35005W	GBPC3501W	GBPC3502W	GBPC3504W	GBPC3506W	GBPC3508W	GBPC3510W

Notes:

* on alumina substrate

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

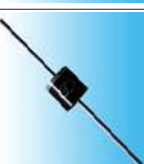
Zener diodes 齊納穩壓管

Power dissipation $P_{tot}^{(1)}$ (mW)	Thru-hole		Surface mount				Zener voltage range		Zener voltage tolerances (Suffix)			
							V_z (Volts)		10%	5%	3%	2%
500	1N746-759						3.3~12		std.	A		
	1N957-984						6.8~91		B	A		
	1N5221-5281						2.4~200		A	B		
			ZMM5225-5267				3.0~75		A	B		C
	BZX55 Series						0.8, 2.4~200			C		B
			BZV55 Series				2.4~75			C	F	B
					BZT55 Series		2.4~75			C		B
						BZM55 Series	2.4~75			C		B
	BZX79 Series						2.4~75			C	F	B
	ZPD1-75						1.0, 2.7~75			std.		***
1000			ZMM1-75				1.0, 2.4~75			std.		***
		1N4728-4764 **				ZM4728-4764	3.3~100		std.	A		
						ZMUxxx	100~180		std.			
						ZMYxx	1.0, 3.9~100			std.		***
1300			BZX85 Series				2.7~200			C		B

Notes:

- (1) In part numbers, "xxx" designates nominal V_z .
- (2) For cases where there is no suffix for the Zener voltage tolerance:
std. = standard tolerance
* = 20% tolerance standard (no suffix)
** = available DO-204AL (DO-41) plastic package
*** = available as special
- (3) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Transient voltage suppressors 瞬態電壓抑制二極管

P _{PPM} ⁽¹⁾ (W)	Thru-hole ⁽²⁾⁽⁴⁾				Surface mount ⁽²⁾⁽⁴⁾			Stand-off voltage V _{WM} Range (Volts)	Breakdown voltage V _{BR} ⁽³⁾ Range (Volts)	V _{BR} Tolerance (Suffix)
	DO-204AL (DO-41)	DO-204AC (DO-15)	DO-201 (1.5KE)	P600 or R-6	DO-214AC (SMA)	DO-214AA (SMB)	DO-214AB (SMC)			
400								5.5-467	6.8-550	5%(A)/10%(blank)
	P4KEnn				P4SMAAnn			5.8-495	6.8-550	5%(A)
500					SMAJxx			5.0-440	6.4-543	5%(A)/10%(blank)
		SAxx						5.0-180	6.4-233	5%(A)/10%(blank)
600		P6KEnn						5.5-467	6.8-550	5%(A)/10%(blank)
						P6SMBnn		5.8-495	6.8-550	5%(A)
1500						SMBJxx		5.0-440	6.4-543	5%(A)/10%(blank)
			1.5KEnn					5.5-467	6.8-550	5%(A)/10%(blank)
3000			1N6267-1N6303					5.5-171	6.8-200	5%(A)/10%(blank)
							1.5SMCnn	5.8-495	6.8-550	5%(A)
5000							SMCJxx	5.0-440	6.4-543	5%(A)/10%(blank)
				3KPxx				5.0-220	6.4-281.6	5%(A)/10%(blank)
				5KPxx				5.0-250	6.4-306	5%(A)/10%(blank)

Notes:

- (1) Tested with 10/1000 μ S pulse.
- (2) In part numbers, "xx" designates V_{WM} and "nn" designates nominal voltage.
- (3) Nominal voltages are specified for part numbers with "nn" and minimum voltages are specified for part numbers with "xx" or (m) footnote. Higher voltages are planned (up to 600V). Contact local sales office for availability.
- (4) Types are offered in bidirectional polarity by adding suffix "C".
- (5) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Fast switching rectifiers 高速開關二極管

Peak reverse voltage V_{RM}	Package				Forward Max. current $I_{F(AV)}$	Forward voltage V_F Max. @ I_F		Reverse recover-y time t_{Tr}	Max. capacit-ance C_{tot}
	Thru-hole	Surface mount							
									
(V)	DO-204AH (DO-35 Glass)	Mini MELF (SOD-80)	Quadro MELF (SOD-80)	Micro MELF	(mA)	(V)	(mA)	(nS)	(pF)
35	BAW75		LS4154	MCL4154	150	1.00	30	2.0	4.0
50	1N4150 *				200	1.00	200	4.0	-
		LL4150			200	1.15	200	4.0	-
			LS4150		300	1.00	200	4.0	2.5
60		BAV100			200	1.00	100	50.0	1.5
			BAV200	BAV300	250	1.00	100	50.0	1.5
75	1N4151 *	LL4151	LS4151	MCL4151	150	1.00	50	2.0	2.0
	BAW76				150	1.00	100	2.0	2.0
100	1N914 *				75	1.00	10	4.0	4.0
	1N4148 *	LL4148			150	1.00	10	4.0	4.0
			LS4148		150	1.00	100	4.0	4.0
				MCL4148	150	1.00	50	4.0	4.0
	1N4448	LL4448		MCL4448	150	1.00	10 / 100 ¹⁾	4.0	4.0
			LS4448		150	0.72	5	4.0	4.0
	1N4454 *				150	1.00	10	4.0	2.0
120	BAV19	BAV101			200	1.00	100	50.0	1.5
			BAV201	BAV301	250	1.00	100	50.0	1.5
200	BAV20	BAV102			200	1.00	100	50.0	1.5
			BAV202	BAV302	250	1.00	100	50.0	1.5
250	BAV21	BAV103			200	1.00	100	50.0	1.5
			BAV203	BAV303	250	1.00	100	50.0	1.5

Notes:

* DO-34 Glass packages are also available.

(1) 1N4448 is rated at 10mA and LL4448 MCL4148 is rated at 100mA.

(2) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Schottky diodes 肖特基二極管

Reverse breakdown voltage V _{(BR)R}	Package				Forward current I _F (Max.)	Forward voltage @ Forward current V _F Max. @ I _F	
	Thru-hole	Surface mount					
							
(Volts)	DO-204AH (DO-35 Glass)	Mini MELF (SOD-80)	Quadro MELF	Micro MELF	(mA)	(mV)	(mA)
20	SD103C	LL103C	LS103C	MCL103C	-	370	20
30	BAT42	LL42			200	400	10
	BAT43	LL43			200	450	15
	BAT85	BAS85			200	400	10
	SD103B	LL103B	LS103B	MCL103B	-	370	20
40	BAT48	LL48			350	400	10
	BAT81S	BAS81			30	410	1
	SD101C	LL101C	LS101C	MCL101C	30	390	1
	SD103A	LL103A	LS103A	MCL103A	-	370	20
50	BAT82S	BAS82			30	410	1
	BAT86	BAS86			200	380	1
	SD101B	LL101B	LS101B	MCL101B	30	400	1
60	1N6263	LL6263			-	410	1
	BAT83S	BAS83			30	410	1
	SD101A	LL101A	LS101A	MCL101A	30	410	1
70	1N5711	LL5711			-	410	1
100	BAT41	LL41			100	450	1
	BAT46	LL46			150	450	10

Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

High voltage rectifiers 高反壓整流二極管

Package	$I_{F(AV)}$ (Amps)	V_{RRM} (Volts)												
		1000	1200	1250	1300	1400	1500	1600	1800	2000	2500	3000	4000	5000
DO-204AC (DO-15)	0.2										R2500 $V_F < 3.0V$	R3000 $V_F < 4.0V$	R4000 $V_F < 5.0V$	R5000
DO-204AC (DO-15)	0.2										R2500F $V_F < 4.0V$ $t_r < 500nS$	R3000F $V_F < 5.0V$ $t_r < 500nS$	R4000F $V_F < 6.5V$ $t_r < 500nS$	R5000F
DO-204AL (DO-41)	0.25	GI250-1 $V_F < 3.5V$								GI250-2 $V_F < 3.5V$		GI250-3 $V_F < 3.5V$	GI250-4	
DO-204AL (DO-41)	0.5 0.2 (2000V)		R1200 $V_F < 2.0V$				R1500 $V_F < 2.0V$		R1800 $V_F < 2.0V$	R2000 $V_F < 3.0V$				
DO-204AL (DO-41)	0.5 0.2 (2000V)		R1200F $V_F < 2.5V$ $t_r < 500nS$				R1500F $V_F < 2.5V$ $t_r < 500nS$		R1800F $V_F < 2.5V$ $t_r < 500nS$	R2000F $V_F < 4.0V$ $t_r < 500nS$				
R-1	05/03						FR15 $V_F < 1.5V$ $t_r < 500nS$	GHR16 $V_F < 1.5V$ $t_r < 300nS$						
R-1	0.5	1F10 $V_F < 1.8V$ $t_r < 300nS$	1F12			1F14	1F15	1F16	1F18					
DO-204AL (DO-41)	1.0			BY127 $V_F < 1.1V$	BY133			EM513 $V_F < 1.1V$	EM516	EM518				

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.
- (2) Reverse recovery time(t_r) test conditions: $I_F=0.5A$, $I_R=1.0A$, $I_{RR}=0.25A$

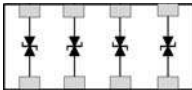
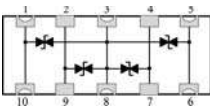
Transient Voltage Suppressor for ESD Protection 瞬態電壓抑制器

Part Number	Product Description	Lines: Uni-directional	Lines: Bi-directional	V_{RWM} Max (Volts)	C_j Type L-G at $V_R = 0V$ (pF)	P_{DP} at 8/20 usec (W)	I_R Max at V_{RWM} at 25°C (uA)	Packages	V_{BR} Typ. (Volts)
SES3V3D923-2U	Utr-small package(0402) 3.3 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics	1		3.3	35	70	1	SOD-923	5.6
SES3V3N1006-2U	Utr-small package(0402) 3.3 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics	1		3.3	35	70	1	DFN-2	5.6
SES5VD923-2U	Utr-small package(0402) 5 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics	1		5	30	70	1	SOD-923	6.8
SES5VD923A	Utr-small package(0402) 5 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics	1		5	30	70	1	WBFBP-02C	6.8
SES5VD523-2U	small package(0603) 5 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics	1		5	65	100	1	SOD-523	6.8
SES7VD523-2U	small package(0603) 7 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics	1		7	40	100	1	SOD-523	7.8
SES12VD523-2U	small package(0603) 12 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics	1		12	30	100	1	SOD-523	13.5
SES5VD323-2U	Single-Line TVS Diode for ESD Protection in Portable Electronics	1		5	100	200	1	SOD-323	6.8
SES3V3D923-2B	Utr-small package(0402) 3.3 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics		1	3.3	17	200	1	SOD-923	5.6
SES5VN1006-2B	Utr-small package(0402) 5 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics		1	5	15	70	1	DFN-2	6.8
SES5VD923-2B	Utr-small package(0402) 5 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics		1	5	15	70	1	SOD-923	6.8
SES5VD523-2B	small package(0603) 5 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics		1	5	30	100	1	SOD-523	6.8
SES7VD523-2B	small package(0603) 7 Volt Single-Line TVS Diode for ESD Protection in Portable Electronics		1	7	26	100	1	SOD-23	7.8
SES5VD323-2B	Single-Line TVS Diode for ESD Protection in Portable Electronics		1	5	60	200	1	SOD-323	6.8
SES5VN1616-3	Two-Lines TVS Diode for ESD Protection in Portable Electronics	2	1	5	1.5	125	1	DFN-3	6.8
SES5VT23-3	Two-Lines TVS Diode for ESD Protection in Portable Electronics	2	1	5	60	200	1	SOT-23	6.8
SES12VT23-3	Two-Lines TVS Diode for ESD Protection in Portable Electronics	2	1	12	40	200	1	SOT-23	13.5
SES5VT553-5	Four-Lines TVS Diode for ESD Protection in Portable Electronics	4	3	5	12	100	1	SOT-553	6.8
SES12VN1010-5	Low Capacitance, Four-Lines TVS Diode for ESD Protection in Portable Electronics	4	3	12	8	100	1	DFN1010-5	13.5
SES5VT563-6	Five-Lines TVS Diode for ESD Protection in Portable Electronics	5	4	5	32	200	1	SOT-563	6.8
SES5VT353-5	Four-Lines TVS Diode for ESD Protection in Portable Electronics	4	3	5	30	200	1	SOT-353	6.8
SES5VT363-6	Five-Lines TVS Diode for ESD Protection in Portable Electronics	5	4	5	32	200	1	SOT-363	6.8
SES2V8P8U	Four-Lines Low Capacitance TVS Diode for ESD Protection in Portable Electronics	4		2.8	3	400	1	SOP-8	-
SES2V8P8	Four-Lines Low Capacitance TVS Diode for ESD Protection in Portable Electronics		4	2.8	3	400	1	SOP-8	-
SES5VT236-6U	Four-Lines Low Capacitance TVS Diode for ESD Protection in Portable Electronics	4		5	1.5	400	1	SOT-23-6	6.8

Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Polymer ESD Suppressors 聚合物靜電抑制器

Item	Symbol	PESD Part Number			
		MLSEP12A-0402	MLSEP24B-0603	MLSEP12A-1206A4	MLSEP08A-2510
Figure	-				
Schematic	-				
Size (mm x mm)	-	1.05x0.55	1.60x0.80	3.60x1.60	2.50x1.00
Channels	-	1	1	4	4
Direction	-	Bi-directional	Bi-directional	Bi-directional	Bi-directional
Working Voltage	V_{DC}	12V	24V	12V	8V
Trigger Voltage	V_T	300V	500V	300V	300V
Clamping Voltage	V_C	20V	36V	20V	15V
Leak Current	I_L	0.1nA	0.1nA	0.1nA	0.1nA
Capacitance	C_P	0.15pf	0.15pf	0.15pf	0.15pf
Withstand Standards	-	IEC61000-4-2	IEC61000-4-2	IEC61000-4-2	IEC61000-4-2

Caution:

This component is designed for signal line protection only, not intended to be used under bias, not for application with a power line.

Features

- ESD protection for high speed data lines to
IEC61000-4-2 ESD contact discharge 8KV
IEC61000-4-2 ESD air discharge 15KV
- Multilayer structure
- Surface mount
- Extremely low capacitance
- Very low leakage current
- Fast response time
- Bi-directional ESD protection
- Lead free solder termination
- The best ESD protection for high frequency, low voltage applications

Application

- High Definition Multi-Media Interface (HDMI)
- Digital Visual Interface (DVI)
- DisplayPort Interface
- Unified Display Interface (UDI)
- MDDI Ports
- High speed Ethernet
- USB2.0 and IEEE1394 interface

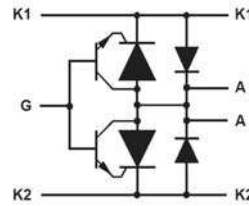
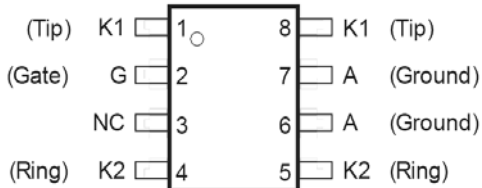
Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Programmable Overvoltage Protector 可編程過壓保護器

SOP-8 Package

Device Symbol

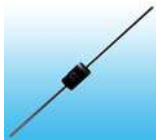


Symbol	Parameter	Unit	SVG085D	SVG120D	SVG170D
V_{DRM}	Maximum voltage LINE/GROUND	Volts	-100	-120	-170
V_{GKRM}	Maximum voltage GATE/LINE	Volts	-85	-120	-167

Over-voltage Protection Thyristor 固體放電管

SMB & DO-15 Package

Device Symbol



Electrical Characteristic

Part Number	V_{DRM}	V_S	V_T	I_{DRM}	I_S	I_T	I_H	Mark
	Volts	Volts	Volts	uAmps	mAmps	Amps	mAmps	
SVP0080__	6	25	4	5	800	2.2	50	SV-8
SVP0300__	25	40	4	5	800	2.2	50	SV03
SVP0640__	58	77	4	5	800	2.2	150	SV06
SVP0720__	65	88	4	5	800	2.2	150	SV07
SVP0900__	75	98	4	5	800	2.2	150	SV09
SVP1100__	90	130	4	5	800	2.2	150	SV11
SVP1300__	120	160	4	5	800	2.2	150	SV13
SVP1500__	140	180	4	5	800	2.2	150	SV15
SVP1800__	170	220	4	5	800	2.2	150	SV18
SVP2300__	190	260	4	5	800	2.2	150	SV23
SVP2600__	220	300	4	5	800	2.2	150	SV26
SVP3100__	275	350	4	5	800	2.2	150	SV31
SVP3500__	320	400	4	5	800	2.2	150	SV35

Surge Ratings

Series	I_{PP} 2x10 us Amps	I_{PP} 8x20 us Amps	I_{PP} 10x160 us Amps	I_{PP} 10x560 us Amps	I_{PP} 10x1000 us Amps	I_{TSM} 60 Hz Amps	di/dt Amps/us	C_O pF
A	150	150	90	50	45	20	500	60
B	250	250	150	100	80	30	500	80
C	500	400	200	150	100	50	500	120

Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Electronics lamp ballasts rectifiers 電子節能燈專用整流二極管

Package (Axial Lead)	Type	$I_{F(AV)}$	V_{RRM}	I_{FSM}	V_F	I_R
		(Amps)	(Volts)	(Amps)	(Volts)	
DO-204AL (DO-41)	BHT18	1.0	1100	30.0	1.0V @ 1.0A	1.0uA @ $T_A=25^{\circ}C$ 30.0uA @ $T_A=100^{\circ}C$
DO-204AL (DO-41)	BHT18G	1.0	1100	30.0	1.0V @ 1.0A	1.0uA @ $T_A=25^{\circ}C$ 30.0uA @ $T_A=125^{\circ}C$

Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Power rectifiers 功率整流二極管

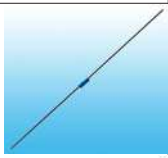
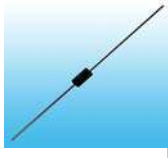
Package	I_F (Amps)	V_{RRM} (Volts)								
		100	200	400	600	800	1000	1200	1400	1600
DO-203AB (DO-5) 	40.0	40HF(R)10	40HF(R)20	40HF(R)40	40HF(R)60	40HF(R)80	40HF(R)100	40HF(R)120	40HF(R)140	40HF(R)160
	70.0	70HF(R)10	70HF(R)20	70HF(R)40	70HF(R)60	70HF(R)80	70HF(R)100	70HF(R)120	70HF(R)140	70HF(R)160

Package	I_F (Amps)	V_{RRM} (Volts)				
		20	30	35	40	45
DO-203AB (DO-5) 	50.0		1N6097		1N6098	
	60.0			SBR6035(R)	SBR6040(R)	SBR6045(R)
	70.0			SBR7035(R)		SBR7045(R)

Notes:

(1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.

Bi-Directional trigger DIAC 硅雙向觸發二極管

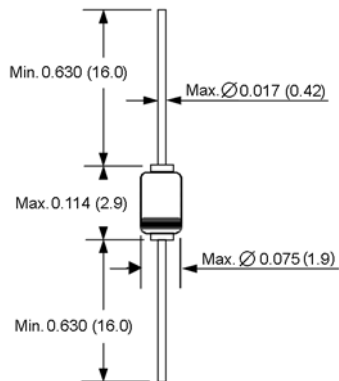
Package (Axial Lead)	Type	Breakover voltage V_{BO} (Volts)			Breakover voltage symmetry	Breakover currents	Dynamic breakover voltage
		Min.	Typ.	Max.	$[V_{(BR)1}] - [V_{(BR)2}]$ Max. (Volts)	Max. (uA)	$ \Delta V_{\pm} $ (Volts) Min.
DO-204AH (DO-35 Glass) 	DB3	28	30	35	3	100	5
DO-204AL (DO-41) 	DC34	32	34	40	3	50	5
	DB4	36	38	45	3	100	5
Package (Surface Mount)							
Mini MELF (SOD-80) 	LLDB-3	28	32	36	3.8	200	5
	LLDB-4	35	40	45	3.8	200	5

Notes:

- (1) For more detailed technical parameters, Pls refer to Good-Ark Databooks.
- (2) Available order molded plastic package DO-204AL (DO-41).

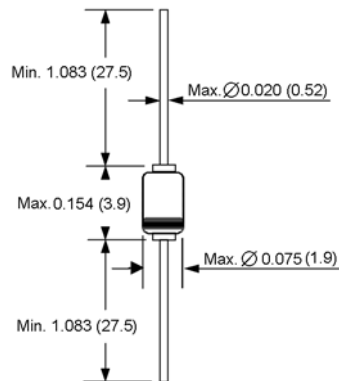
Outline (外型圖)

DO-34 Glass



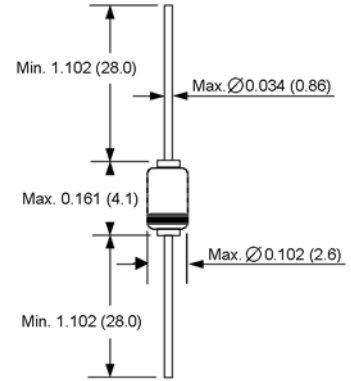
Dimensions in inches and (millimeters)

DO-204AH (DO-35 Glass)



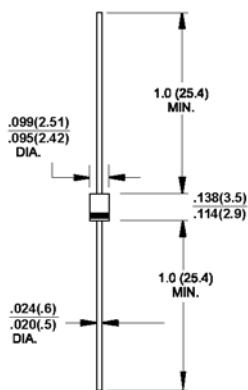
Dimensions in inches and (millimeters)

DO-204AL (DO-41 Glass)



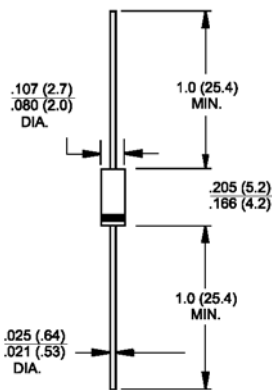
Dimensions in inches and (millimeters)

R-1



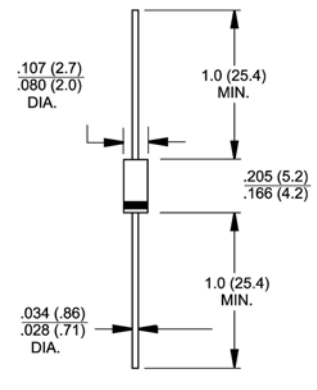
Dimensions in inches and (millimeters)

A-405



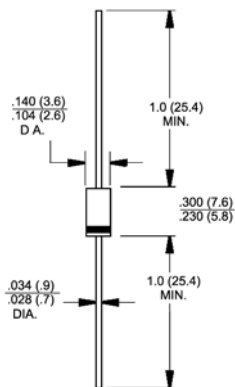
Dimensions in inches and (millimeters)

DO-204AL (DO-41)



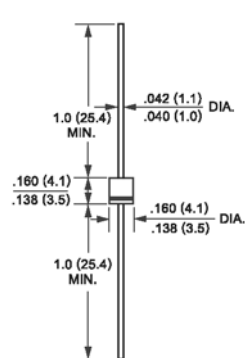
Dimensions in inches and (millimeters)

DO-204AC (DO-15)



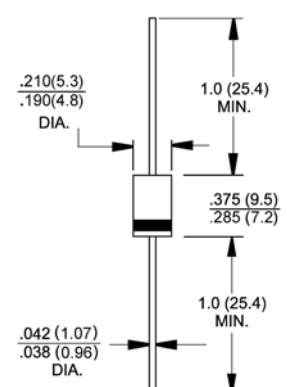
Dimensions in inches and (millimeters)

R-3



Dimensions in inches and (millimeters)

DO-201

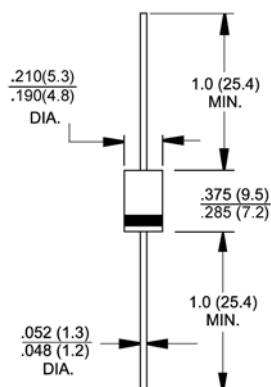


Dimensions in inches and (millimeters)

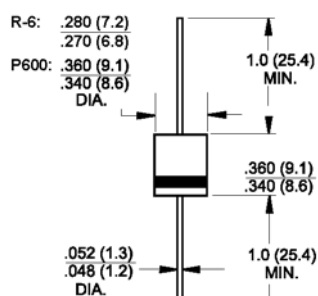
Outline (外型圖)

DO-201AD

R-6 or P600

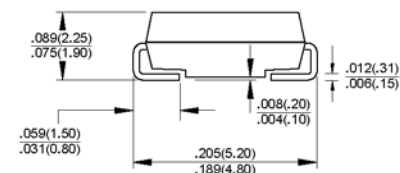
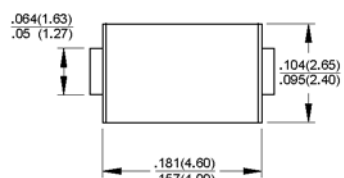


Dimensions in inches and (millimeters)



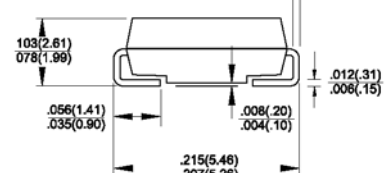
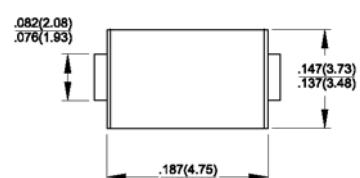
Dimensions in inches and (millimeters)

DO-214AC (SMA)



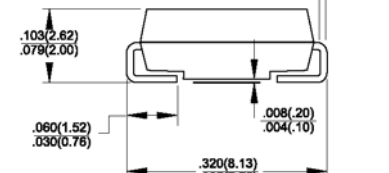
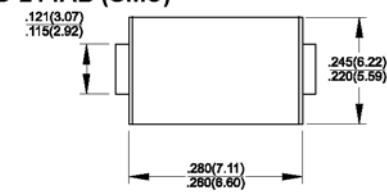
Dimensions in inches and (millimeters)

DO-214AA (SMB)



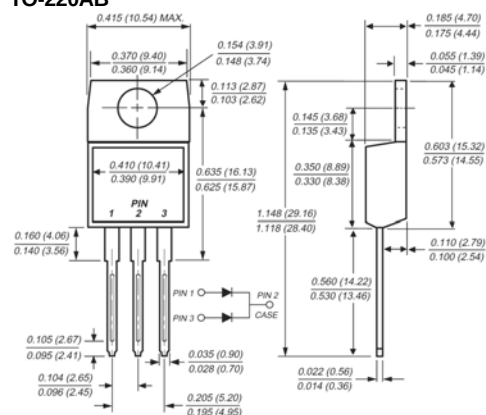
Dimensions in inches and (millimeters)

DO-214AB (SMC)



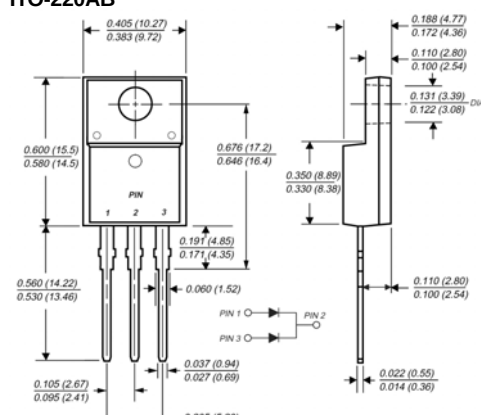
Dimensions in inches and (millimeters)

TO-220AB



Dimensions in inches and (millimeters)

ITO-220AB

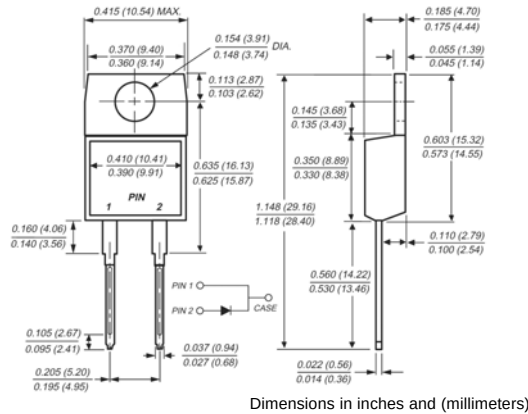


0.195 (4.95)

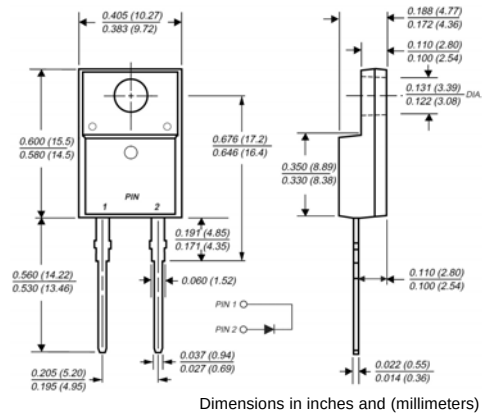
Dimensions in inches and (millimeters)

Outline (外型圖)

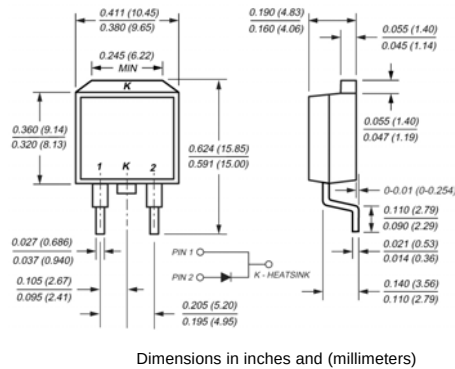
TO-220AC



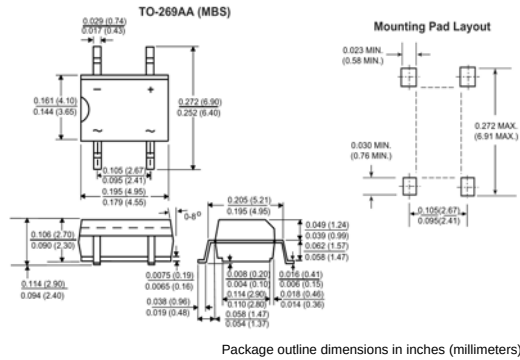
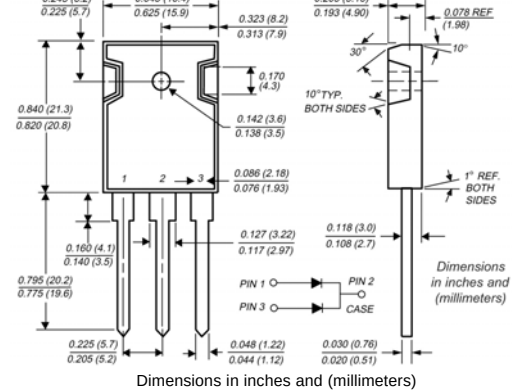
ITO-220AC



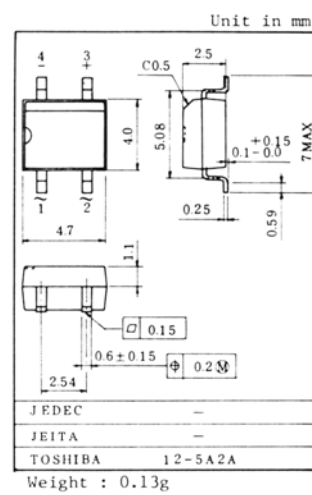
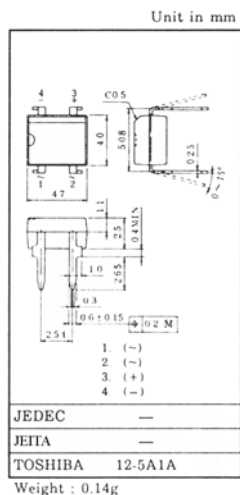
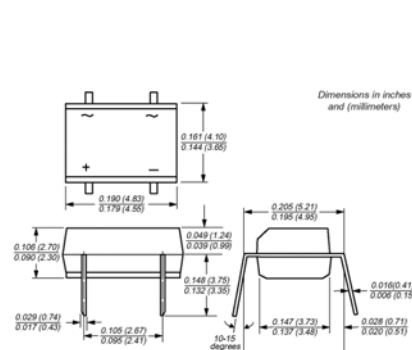
TO-263AB(D²PAK)



TO-247AD (TO-3P)



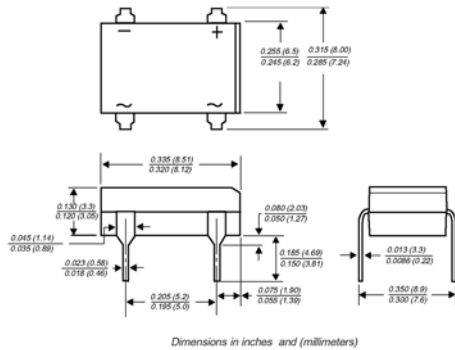
MBM



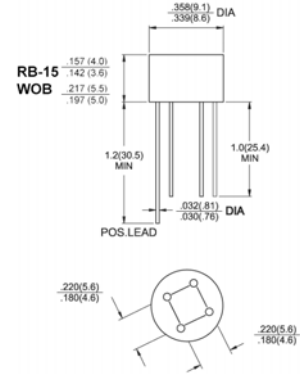
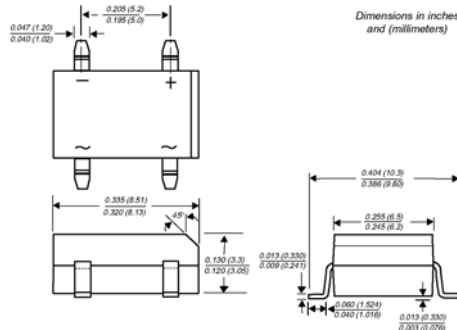


Outline (外型圖)

DF

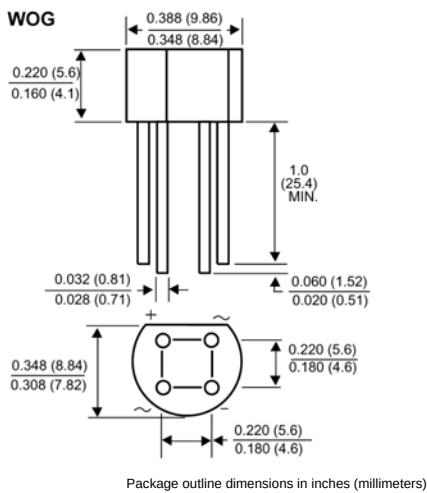


DFS



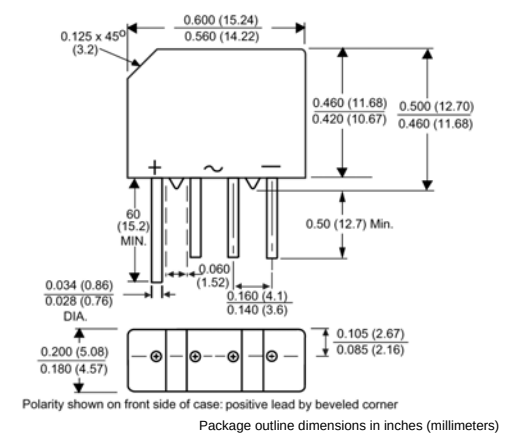
Package outline dimensions in inches (millimeters)

WOG



Package outline dimensions in inches (millimeters)

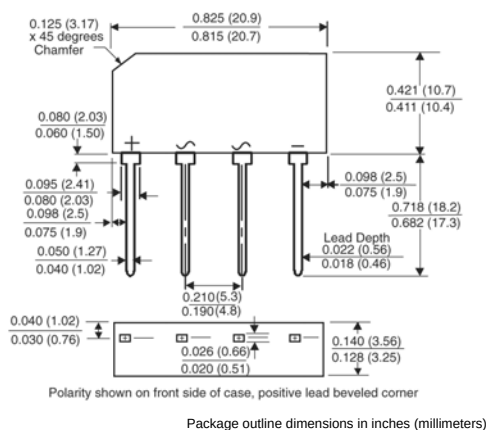
KBP



Polarity shown on front side of case: positive lead by beveled corner

Package outline dimensions in inches (millimeters)

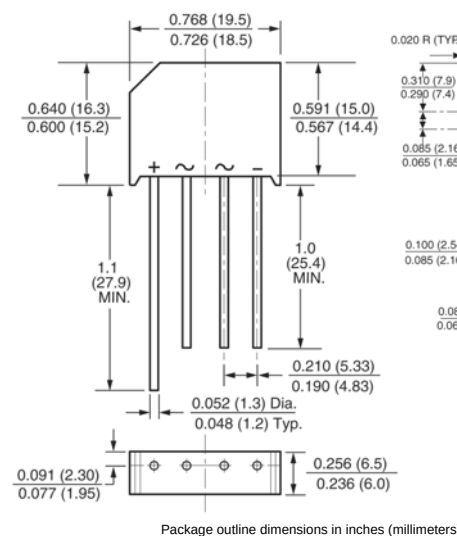
GBL



Polarity shown on front side of case, positive lead beveled corner

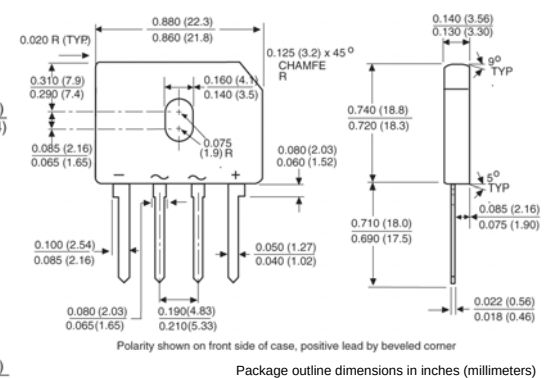
Package outline dimensions in inches (millimeters)

KBL



Package outline dimensions in inches (millimeters)

GBU

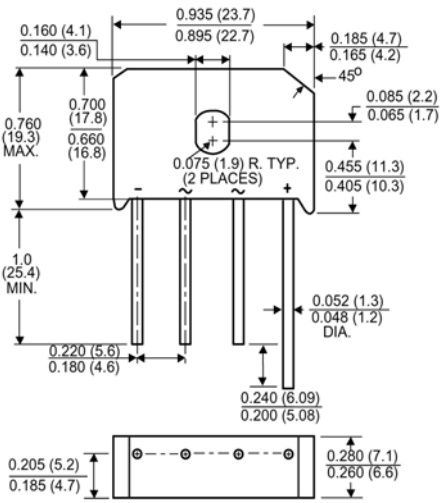


Polarity shown on front side of case, positive lead by beveled corner

Package outline dimensions in inches (millimeters)

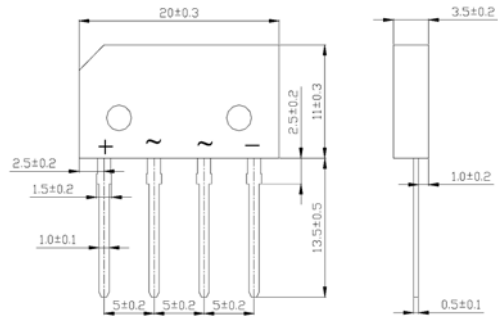
Outline (外型圖)

KBU



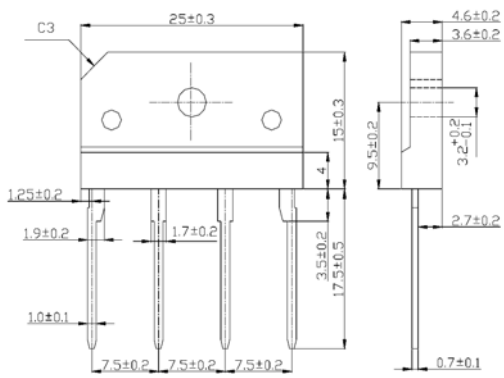
Package outline dimensions in inches (millimeters)

GBL (2S)



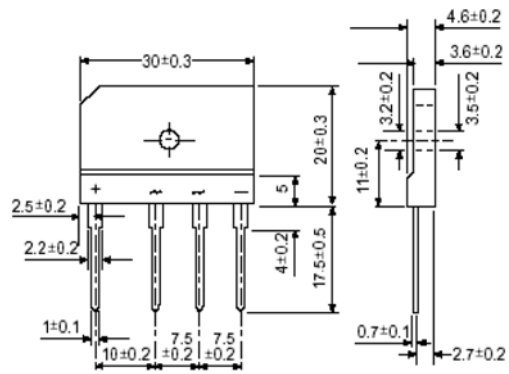
Package outline dimensions in millimeters

KBJ (3S)



Package outline dimensions in millimeters

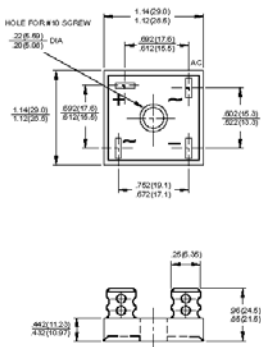
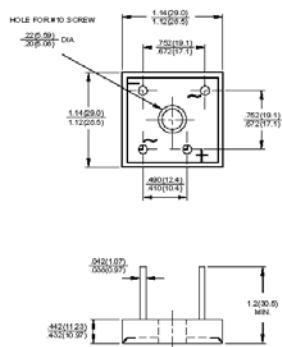
GBJ (5S)



Package outline dimensions in millimeters

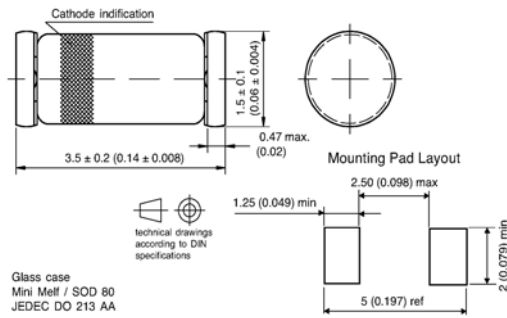
KBPC
KBPC-W

KBPC

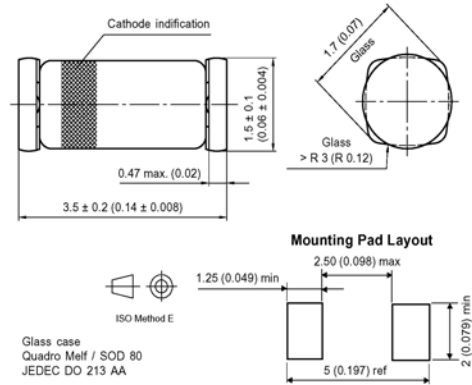
**KBPC-W**

Dimensions in inches and (millimeters)

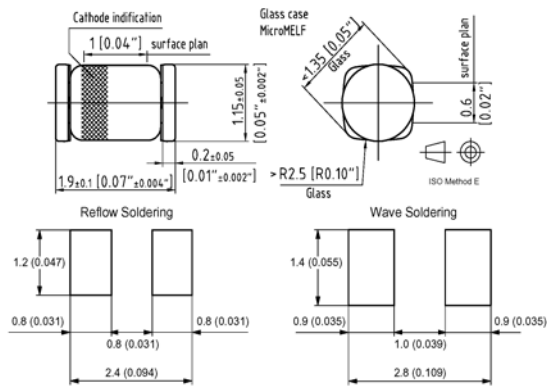
Outline (外型圖)



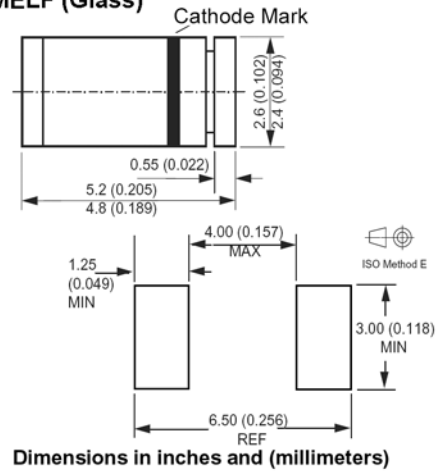
Package Dimensions in mm (inches)



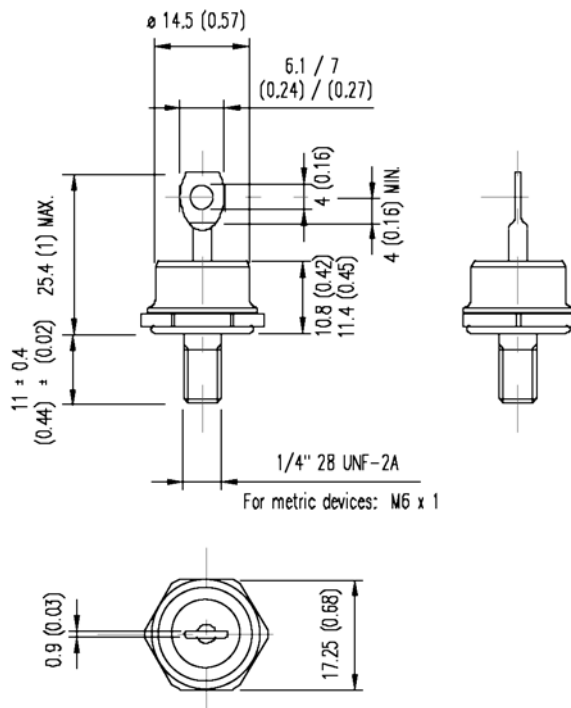
Package Dimensions in mm (inches)



MELF (Glass)

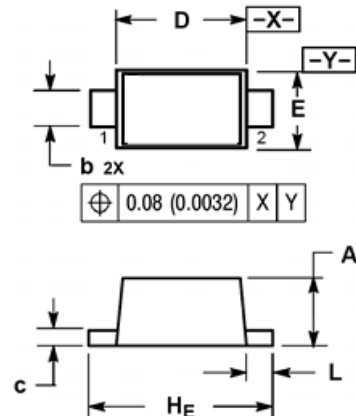


Case Style DO-203AB (DO-5) All dimensions in millimeters (inches)



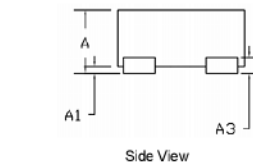
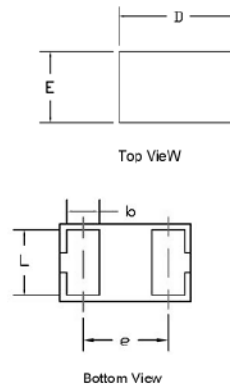
Outline (外型圖)

SOD-923



DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.36	0.40	0.43	0.014	0.016	0.017
b	0.15	0.20	0.25	0.006	0.008	0.010
c	0.07	0.12	0.17	0.003	0.005	0.007
D	0.75	0.80	0.85	0.030	0.031	0.033
E	0.55	0.60	0.65	0.022	0.024	0.026
H _E	0.95	1.00	1.05	0.037	0.039	0.041
L	0.05	0.10	0.15	0.002	0.004	0.006

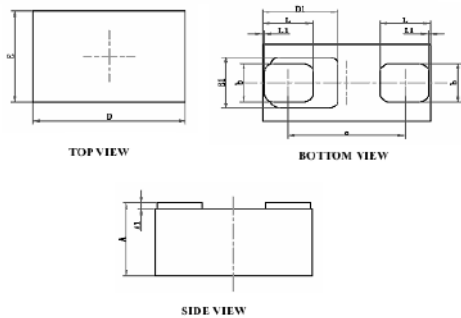
DFN-2



Common Dimensions (mm)			
PKG.	X1: Extreme thin		
Ref.	Min.	Nom.	Max.
A	0.4	-	0.5
A1	0.00	-	0.05
A3	0.125 Ref.		
D	0.95	1.00	1.05
E	0.55	0.60	0.65
B	0.20	0.25	0.30
L	0.45	0.50	0.55
e	0.65 BSC		

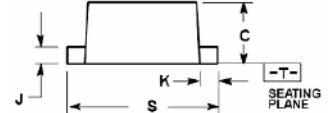
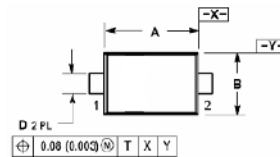
WBFBP-02C

WBFBP-02C (1.0 x 0.6 x 0.5) PACKAGE OUTLINE DIMENSIONS



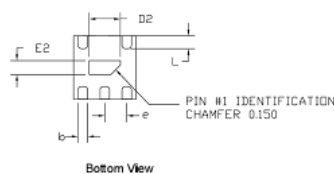
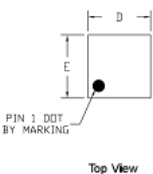
Symbol	Dimensions in Millimeters		Dimensions in inches	
	Min.	Max.	Min.	Max.
A	0.456	0.550	0.018	0.022
A1	0.010	0.070	0.000	0.003
B	0.550	1.050	0.022	0.041
E	0.550	0.650	0.022	0.026
D1	0.450 REF.		0.018 REF.	
E1	0.460 REF.		0.018 REF.	
H	0.275	0.325	0.011	0.013
c	0.675	0.725	0.027	0.029
L	0.275	0.325	0.011	0.013
L1	0.010 REF.		0.000 REF.	

SOD-523



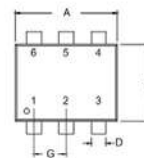
Dim	Millimeters			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	1.10	1.20	1.30	0.043	0.047	0.051
B	0.70	0.80	0.90	0.028	0.032	0.035
C	0.50	0.60	0.70	0.020	0.024	0.028
D	0.25	0.30	0.35	0.010	0.012	0.014
J	0.07	0.14	0.20	0.0028	0.0055	0.0079
K	0.15	0.20	0.25	0.006	0.008	0.010
S	1.50	1.60	1.70	0.059	0.063	0.067

DFN1010-5



Common Dimensions (mm)			
PKG.	X1: Extreme thin		
Ref.	Min.	Nom.	Max.
A	0.40	-	0.50
A1	0.00	-	0.05
A3	0.125 Ref.		
D	0.95	1.00	1.05
E	0.95	1.00	1.05
D2	0.45	0.50	0.55
E2	0.17	0.22	0.27
L	0.15	0.20	0.25
b	0.12	0.15	0.18
e	0.35 BSC		

SOT-563

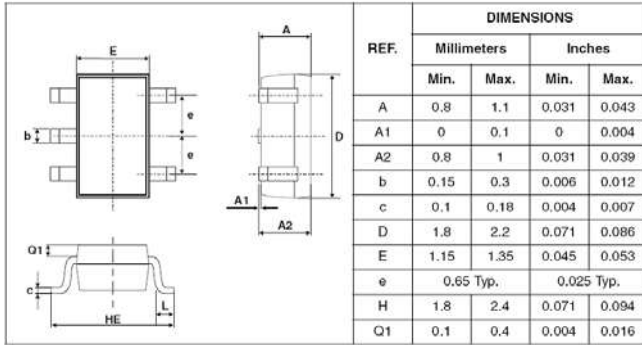


SOT-563				
PACKAGE DIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.50	1.70	0.059	0.067
B	1.10	1.30	0.043	0.051
C	0.50	0.60	0.020	0.024
D	0.17	0.27	0.007	0.011
G	0.50 BSC	-	0.020 BSC	-
J	0.08	0.16	0.003	0.006
K	0.10	0.30	0.004	0.012
S	1.50	1.70	0.059	0.067

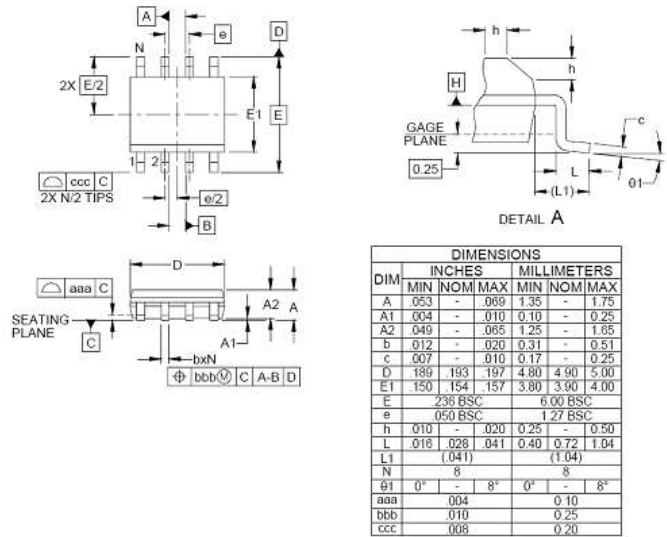


Outline (外型圖)

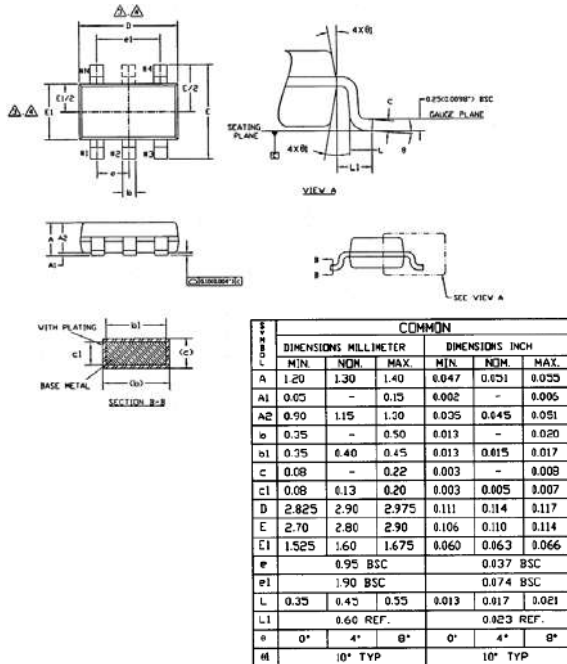
SOT-353



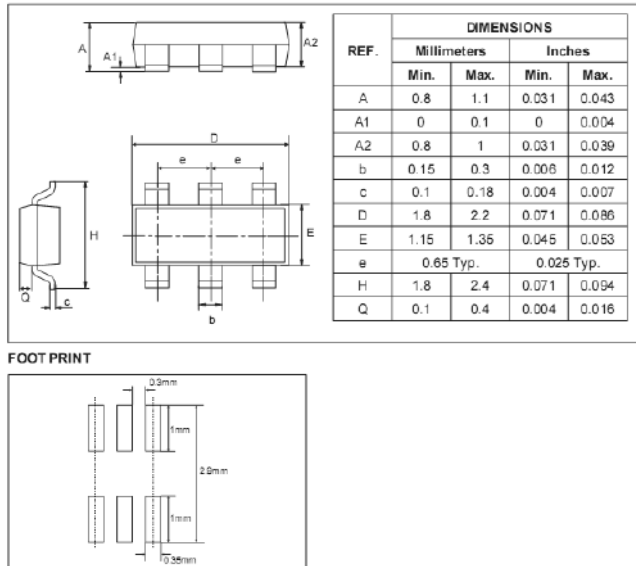
SOP-8



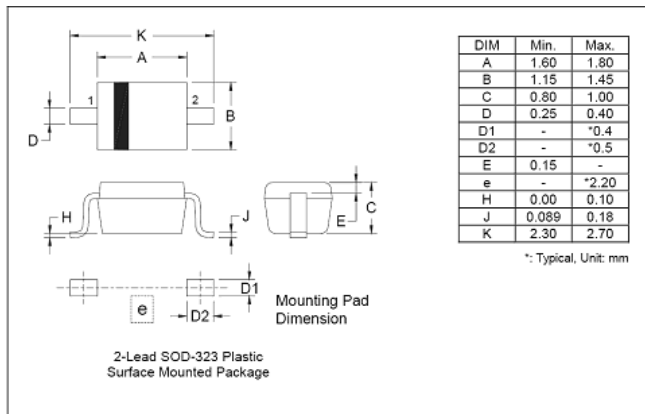
SOT-23-6



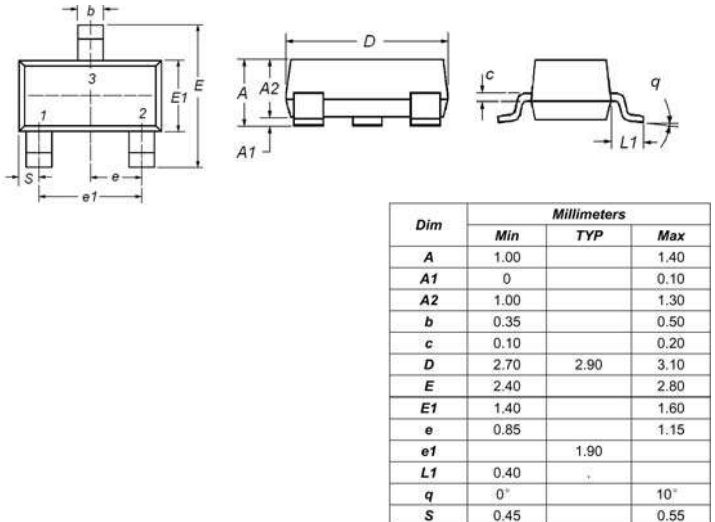
SOT-363



SOD-323

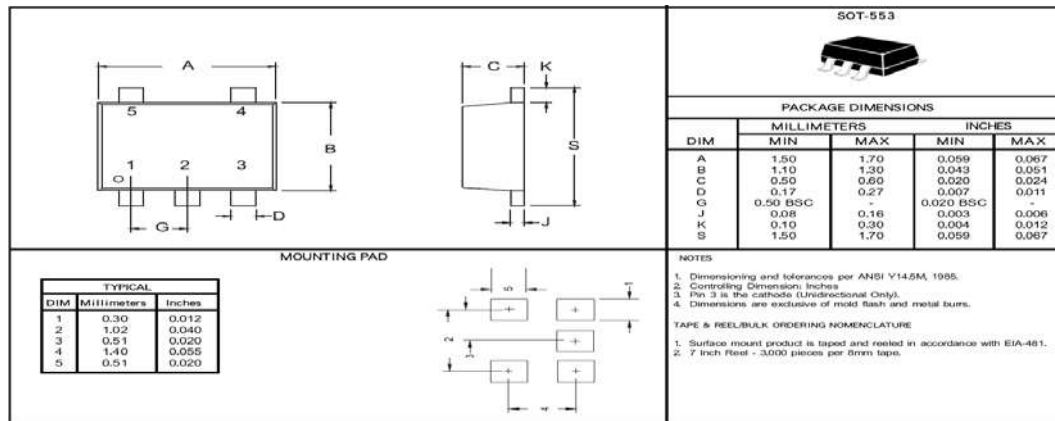


SOT-23

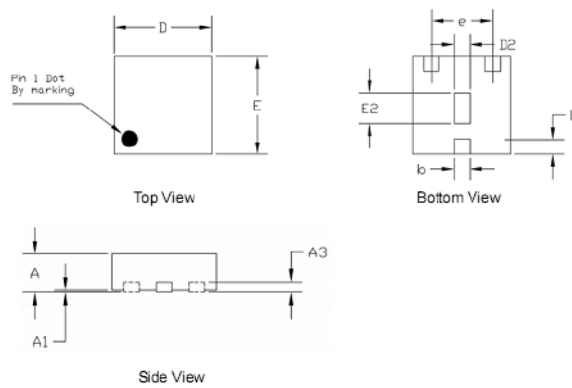


Outline (外型圖)

SOT-553



DFN-3



Common Dimensions (mm)			
PKG.	UT: Ultra thin		
Ref.	Min.	Nom.	Max
A	0.50	-	0.60
A1	0.00	-	0.05
A3	0.15 Ref.		
D	1.55	1.60	1.65
E	1.55	1.60	1.65
B	0.20	0.25	0.30
D2	0.20	0.25	0.30
E2	0.45	0.50	0.55
L	0.20	0.25	0.30
b	0.20	0.25	0.30
e	1.00 BSC		



Notes

Notes



Attention (注意)

Keep safety first in your circuit designs!

Suzhou Good-ark Electronics Co.,Ltd. puts the maximum effort into making semiconductor products better and more reliable.

Notes regarding these materials

- * *These materials are intended as a reference to assist our customers in the selection of the Suzhou Good-ark product best suited to the customer's application; they do not convey any license under any intellectual property rights, or any other rights, belonging to Suzhou Good-ark Electronics Co.,Ltd. or a third party.*
- * *Suzhou Good-ark Electronics Co.,Ltd assumes no responsibility for any damage, or infringement of any third-party's rights, originating in the use of any product data, diagrams, charts, programs, algorithms, or circuit application examples contained in these materials.*
- * *All information contained in these materials, including product data, diagrams, charts, programs and algorithms represents information on products at the time of publication of these materials, and are subject to change by Suzhou Good-ark Electronics Co.,Ltd. without notice due to product improvements or other reasons. It is therefore recommended that customers contact Suzhou Good-ark Electronics Co.,Ltd. or an authorized Suzhou Good-ark product distributor for the latest product information before purchasing a product listed herein. The information described here may contain technical inaccuracies or typographical errors. Suzhou Good-ark Electronics Co.,Ltd. assumes no responsibility for any damage, liability, or other loss rising from these inaccuracies or errors. Please also pay attention to information published by Suzhou Good-ark Electronics by various means, including the Suzhou Good-ark home page. (<http://www.goodark.com>)*
- * *When using any or all of the information contained in these materials, including product data, diagrams, charts, programs, and algorithms, please be sure to evaluate all information as a total system before making a final decision on the applicability of the information and products. Suzhou Good-ark assumes no responsibility for any damage, liability or other loss resulting from the information contained herein.*
- * *The prior written approval of Suzhou Good-ark Electronics Co.,Ltd. is necessary to reprint or reproduce in whole or in part these materials.*
- * *Please contact Suzhou Good-ark Electronics Co.,Ltd. or an authorized Suzhou Good-ark product distributor for further details on these materials or the products contained herein.*