Stud Type Devices

Standard Recovery Diodes

Part Number	V_{RRM} (V)	$I_{F(AV)}$ (A)	V_F (V)	I_{FSM} (A)	I_R (µA)	$R_{th\ (j-c)}$ (°C/W)	Package
PSM 6	100-1600	6	1.2	175	100	2.5	DO-4
PSM 12	100-1600	12	1.2	250	100	2.0	DO-4
PSM 16	100-1600	16	1.3	300	100	1.5	DO-4
PSM 25	100-1600	25	1.3	400	150	1.5	DO-5
PSM 40	100-1600	40	1.3	500	150	1.0	DO-5
PSM 60	100-1600	55	1.3	850	100	0.65	DO-5
PSM 70	100-1600	70	1.3	1200	150	0.45	DO-5
PSM 85	100-1600	85	1.3	1700	200	0.50	DO-5
PSM 100	100-1600	100	1.3	2200	200	0.40	DO-8
PSM 125	100-1600	125	1.3	2600	200	0.30	DO-8
PSM 150	100-1600	150	1.4	3100	200	0.25	DO-8
PSM 200	100-1600	200	1.4	4000	200	0.23	DO-8
PSM 250	100-1600	250	1.4	4500	200	0.18	DO-9
PSM 300	100-1600	300	1.4	5000	200	0.18	DO-9
PSM 320	100-1600	320	1.4	6100	200	0.18	DO-9
PSM 400	100-1600	400	1.4	8250	200	0.15	DO-9

Fast Recovery Diodes

Part Number	V_{RRM} (V)	$I_{F(AV)}$ (A)	V_F (V)	I_{FSM} (A)	I_R (µA)	$R_{th\ (j-c)}$ (°C/W)	t_{rr} (ns)	Package
PSM 12F	100-1000	12	1.4	150	100	2.5	300	DO-4
PSM 16F	100-1000	16	1.4	180	100	2.0	300	DO-4
PSM 25F	100-1000	25	1.4	250	100	1.7	300	DO-5
PSM 40F	100-1000	40	1.5	420	100	1.3	300	DO-5
PSM 70F	100-1000	70	1.5	700	100	0.8	300	DO-5

Schottky Diodes

Part Number	V_{RRM} (V)	$I_{F(AV)}$ (A)	V_F (V)	I_{FSM} (A)	$R_{th\ (j-c)}$ (°C/W)	Package
PSM 1N5831	40	25	0.38	800	1.75	DO-4
PSM 1N5832	20	40	0.36	800	1.00	DO-5
PSM 1N5833	30	40	0.37	800	1.00	DO-5
PSM 1N5834	40	40	0.38	800	1.00	DO-5
PSM 1N6391	45	25	0.52	600	2.00	DO-4
PSM SD41	45	30	0.64	600	2.00	DO-4
PSM SD51	45	60	0.70	800	1.00	DO-5

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Stud Type Devices

Zener Diodes

Part Number	Zener Voltage (V)	Wattage (W)	V_F (V)	I (A)	Package
PSM 1N2970 – PSM 1N3015	6.8 - 200	10	1.5	2.0	DO-4
PSM BZY93 Series	7.5 - 75	20	1.5	5.0	DO-4
PSM 1N3305 – PSM 1N3350	6.8 - 200	50	1.5	10.0	DO-5
PSM BZY91 Series	7.5 - 75	75	1.5	10.0	DO-5

Thyristors

Part Number	V_{RRM} (V)	$I_{T(AV)}$ (A)	V_{TM} (V)	I_{TSM} (A)	V_{GT} (V)	I_{GT} (mA)	dv/dt (V/µs)	$R_{th\ (j\text{-}c)}$ (°C/W)	Package
PSM 25NT	200-1600	25	1.7	380	2.5	10-100	300	0.9	TO-48
PSM 40NT	200-1600	40	1.4	600	2.5	50-150	300	0.9	TO-65
PSM 56NT	200-1600	56	1.4	900	2.5	50-150	300	0.6	TO-65
PSM 70NT	200-1600	70	1.4	1800	2.5	50-200	300	0.35	TO-94
PSM 100NT	200-1600	100	1.4	2020	2.5	50-200	300	0.35	TO-94
PSM 125NT	200-1600	125	1.4	3500	2.5	50-200	300	0.18	TO-94
PSM 150NT	200-1600	150	1.4	5700	2.5	50-200	300	0.11	TO-93

For detailed information with pictures,
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