Single Phase AC Controller Modules, released, E 148688

Part Number	V_{RRM} V	I_{TAV} T_C 85°C A	I_{RMS} T_C 85°C A	I_{TMS} 45°C 10ms A	V_{TO} V	r_T mΩ	T_{VJM} 10s °C	$\int I^2dt$ @ 45°C 10ms A^2s	R_{thJC} per Chip/ per Module K/W	R_{thJH} per Chip/ per Module K/W	Figure
PSW1H 110/08	800	51	112	1000	0.85	5.6	150	5000	0.8 / 0.4	0.9 / 0.45	**3**
PSW1H 110/12	1200										
PSW1H 110/14	1400										
PSW1H 140/08	800	58	130	1150	0.85	5.2	150	6600	0.7 / 0.35	0.8 / 0.4	**3**
PSW1H 140/12	1200										
PSW1H 140/14	1400										
PSW1H 140/16	1600										
PSW1H 140/18	1800										
PSW1H 175/08	800	80	175	1500	0.85	3.7	150	11200	0.5 / 0.25	0.65 / 0.33	**3**
PSW1H 175/12	1200										
PSW1H 175/14	1400										
PSW1H 175/16	1600										
PSW1H 175/18	1800										
PSW1H 205/08	800	105	230	2250	0.85	2.4	125	25300	0.26 / 0.13	0.46 / 0.23	**4**
PSW1H 205/12	1200										
PSW1H 205/14	1400										
PSW1H 205/16	1600										
PSW1H 205/18	1800										
PSW1C 25/06	600	17	26	250	0.90	18	125	310	1.42 / 0.71	1.75 / 0.88	**3**
PSW1C 25/08	800										
PSW1C 25/12	1200										
PSW1C 40/06	600	27	44	520	0.85	10.0	125	1350	0.88 / 0.44	1.1 / 0.55	**3**
PSW1C 40/08	800										
PSW1C 40/12	1200										
PSW1C 40/14	1400										
PSW1C 40/16	1600										
PSW1C 70/06	600	45	72	1100	0.85	4.6	125	6050	0.62 / 0.31	0.78 / 0.39	**3**
PSW1C 70/08	800										
PSW1C 70/12	1200										
PSW1C 100/06	600	53	96	1200	0.85	4.0	125	7200	0.53 / 0.27	0.73 / 0.37	**3**
PSW1C 100/08	800										
PSW1C 100/12	1200										
PSW1C 100/14	1400										
PSW1C 100/16	1600										
PSW1C 110/08	800	51	112	1000	0.85	5.6	150	5000	0.8 / 0.4	0.9 / 0.45	**3**
PSW1C 110/12	1200										
PSW1C 110/14	1400										

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Single Phase AC Controller Modules, released, E 148688

Part Number	V_{RRM} V	I_{TAV} T_C 85°C A	I_{RMS} T_C 85°C A	I_{TMS} 45°C 10ms A	V_{TO} V	r_T mΩ	T_{VJM} 10s °C	$\int I^2dt$ @ 45°C 10ms A^2s	R_{thJC} per Chip/ per Module K/W	R_{thJH} per Chip/ per Module K/W	Figure
PSW1C 140/08	800	58	130	1150	0.85	5.2	150	6600	0.7 / 0.35	0.8 / 0.4	**3**
PSW1C 140/12	1200										
PSW1C 140/14	1400										
PSW1C 140/16	1600										
PSW1C 140/18	1800										
PSW1C 175/08	800	80	175	1500	0.8	3.7	150	11200	0.5 / 0.25	0.65 / 0.33	**3**
PSW1C 175/12	1200										
PSW1C 175/14	1400										
PSW1C 175/16	1600										
PSW1C 175/18	1800										
PSW1C 205/08	800	105	230	2250	0.85	2.4	125	25300	0.26 / 0.13	0.46 / 0.23	**4**
PSW1C 205/12	1200										
PSW1C 205/14	1400										
PSW1C 205/16	1600										
PSW1C 205/18	1800										



Figure 3
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PSW1H



Figure 4
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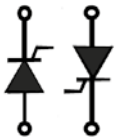
PSW1C110
PSW1C140
PSW1C175
PSW1C205



PSW1C25
PSW1C40
PSW1C70
PSW1C100

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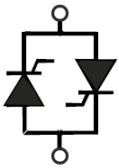
Single Phase AC Controller Subassemblies, released, E 148688

Part Number	V_{RRM} V	I_{TAV} T_C 85°C A	I_{RMS} T_C 85°C A	I_{FMS} 45°C 10ms A	V_{TO} V	r_T mΩ	T_{VJM} 10s °C	$\int I^2dt$ @ 45°C 10ms A^2s	R_{thJC} per Chip/ per Module K/W	Figure
PSW1C 50/08	800	23	50	520	0.85	11	150	1350	1.1 / 0.55	**17**
PSW1C 50/12	1200									
PSW1C 50/14	1400									
PSW1C 50/16	1600									
PSW1C 75/08	800	39	86	1000	0.85	4	125	5000	0.8 / 0.4	**18**
PSW1C 75/12	1200									
PSW1C 75/14	1400									
PSW1C 112/08	800	51	112	1000	0.85	5.6	150	6000	0.8 / 0.4	**16**
PSW1C 112/12	1200									
PSW1C 112/14	1400									
PSW1C 142/08	800	58	130	1150	0.85	5.2	150	6600	0.7 / 0.35	**16**
PSW1C 142/12	1200									
PSW1C 142/14	1400									
PSW1C 142/16	1600									
PSW1C 142/18	1800									
PSW1C 176/08	800	80	175	1500	0.8	3.7	150	11200	0.5 / 0.25	**16**
PSW1C 176/12	1200									
PSW1C 176/14	1400									
PSW1C 176/16	1600									
PSW1C 176/18	1800									
PSW1C 206/08	800	105	230	2250	0.8	2.4	125	25300	0.26 / 0.13	**19**
PSW1C 206/12	1200									
PSW1C 206/14	1400									
PSW1C 206/16	1600									
PSW1C 206/18	1800									



W1C



Figure 16
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Figure 17
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Figure 18
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Figure 19
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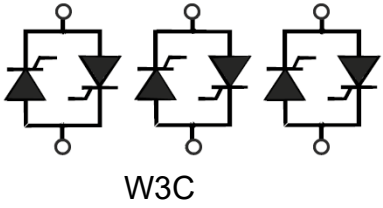
Three Phase AC Controller Subassemblies, released, E 148688

Part Number	V_{RRM} V	I_{TAV} T_C 85°C A	I_{RMS} T_C 85°C A	I_{FMS} 45°C 10ms A	V_{TO} V	r_T mΩ	T_{VJM} 10s °C	$\int I^2dt$ @ 45°C 10ms A^2s	R_{thJC} per Chip/ per Module K/W	Figure
PSW3C 95/08	800	44	96	1150	0.85	4.8	125	6600	0.5 / 0.25	**20**
PSW3C 95/12	1200									
PSW3C 95/14	1400									
PSW3C 95/16	1600									





W3C

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Three Phase AC Controller Modules,
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Part Number	V_{RRM} V	I_{TAV} T_C 85°C A	I_{RMS} T_C 85°C A	I_{TMS} 45°C 10ms A	V_{TO} V	r_T mΩ	T_{VJM} 10s °C	R_{thJC} per Chip/ per Module K/W	R_{thJH} per Chip/ per Module K/W	Figure
PSUH 35/08	800	16	3x35	200	0.85	27	125	1.3 / 0.217	1.8 / 0.3	**3**
PSUH 35/12	1200									
PSUH 36/08	800	18	3x39	320	0.85	13	125	1.3 / 0.217	1.5 / 0.25	**21**
PSUH 36/12	1200									
PSUH 36/14	1400									
PSUH 36/16	1600									
PSUH 40/08	800	18	3x40	400	0.85	15	125	1.43 / 0.238	1.53 / 0.255	**6**
PSUH 40/12	1200									
PSUH 40/14	1400									
PSUH 40/16	1600									
PSUH 50/08	800	23	3x50	520	0.85	11	125	1.20 / 0.20	1.31 / 0.218	**6**
PSUH 50/12	1200									
PSUH 50/14	1400									
PSUH 50/16	1600									
PSUH 60/08	800	27	3x60	550	0.85	11	125	0.9 / 0.15	1.1 / 0.183	**21**
PSUH 60/12	1200									
PSUH 60/14	1400									
PSUH 60/16	1600									
PSUH 80/08	800	37	3x82	1000	0.85	5.2	125	0.81 / 0.135	1.0 / 0.167	**6**
PSUH 80/12	1200									
PSUH 80/14	1400									
PSUH 95/08	800	44	3x96	1150	0.85	4.8	125	0.66 / 0.11	0.93 / 0.155	**6**
PSUH 95/12	1200									
PSUH 95/14	1400									

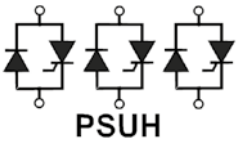



Figure 3
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Figure 6
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Figure 21
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Three Phase AC Controller Modules, released, E 148688

Part Number	V_{RRM} V	I_{TAV} T_C 85°C A	I_{RMS} T_C 85°C A	I_{TMS} 45°C 10ms A	V_{TO} V	r_T mΩ	T_{VJM} 10s °C	R_{thJC} per Chip/ per Module K/W	R_{thJH} per Chip/ per Module K/W	Figure
PSUT 35/08	800	16	3x35	200	0.85	27	125	1.3 / 0.217	1.8 / 0.3	**3**
PSUT 35/12	1200									
PSUT 36/08	800	18	3x39	320	0.85	13	125	1.3 / 0.217	1.5 / 0.25	**21**
PSUT 36/12	1200									
PSUT 36/14	1400									
PSUT 36/16	1600									
PSUT 40/08	800	18	3x40	400	0.85	15	125	1.43 / 0.238	1.53 / 0.255	**6**
PSUT 40/12	1200									
PSUT 40/14	1400									
PSUT 40/16	1600									
PSUT 50/08	800	23	3x50	520	0.85	11	125	1.20 / 0.20	1.31 / 0.218	**6**
PSUT 50/12	1200									
PSUT 50/14	1400									
PSUT 50/16	1600									
PSUT 60/08	800	27	3x60	550	0.85	11	125	0.9 / 0.15	1.1 / 0.183	**21**
PSUT 60/12	1200									
PSUT 60/14	1400									
PSUT 60/16	1600									
PSUT 80/08	800	37	3x82	1000	0.85	5.2	125	0.81 / 0.135	1.0 / 0.167	**6**
PSUT 80/12	1200									
PSUT 80/14	1400									
PSUT 95/08	800	44	3x96	1150	0.85	4.8	125	0.66 / 0.11	0.93 / 0.155	**6**
PSUT 95/12	1200									
PSUT 95/14	1400									



Figure 3
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Figure 6
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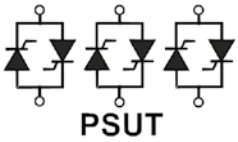



Figure 21
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