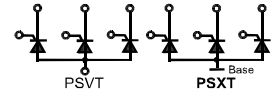
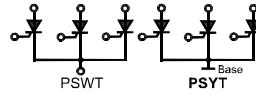



# Thyristor Modules

 released, E 148688



Type	$V_{RRM}$ $V_{DRM}$  V	$I_{TAV}$  A	$T_C$  °C	$I_{TSM}$ 45°C 10 ms per chip A	$V_{TO}$  V	$r_T$  mΩ	$T_{VJM}$  °C	$R_{thJC}$ per chip K/W	$R_{thJH}$ per chip K/W	Figure	Package style see outlines starting at page 86
PSVT 70/08 PSVT 70/12 PSVT 70/14 PSVT 70/16	800 1200 1400 1600	49	85	1150	0.85	5.3	125	0.35	0.55	2	Fig. 2 Weight = 270 g  
PSVT 90/08 PSVT 90/12 PSVT 90/14 PSVT 90/16	800 1200 1400 1600	70	85	1200	0.85	4.3	125	0.31	0.51		
PSVT 160/08 PSVT 160/12 PSVT 160/14 PSVT 160/16	800 1200 1400 1600	85	85	1700	0.85	3.2	125	0.3	0.5		
PSWT 70/08 PSWT 70/12 PSWT 70/14 PSWT 70/16	800 1200 1400 1600	49	85	1150	0.85	5.3	125	0.35	0.55		
PSWT 90/08 PSWT 90/12 PSWT 90/14 PSWT 90/16	800 1200 1400 1600	70	85	1200	0.85	4.3	125	0.31	0.51		
PSWT 160/08 PSWT 160/12 PSWT 160/14 PSWT 160/16	800 1200 1400 1600	85	85	1700	0.85	3.2	125	0.3	0.5		

PSWD/ PSVT 70/90/160 = isolated base

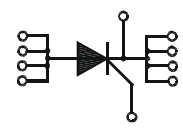
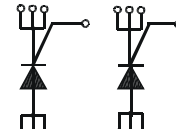
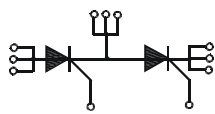
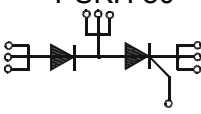
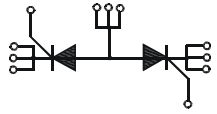
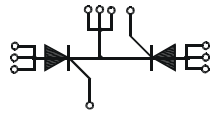
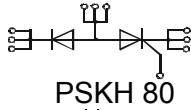
PSXD/ PSYT 70/90/160 = non isolated base

# Thyristor Modules

# Eco-Pac™ 2



released, E 148688



PSKC

PSKA

PSKH 96

PSKT

PSKI

PSET






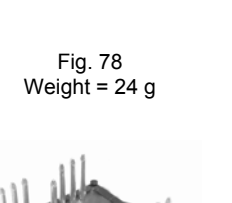

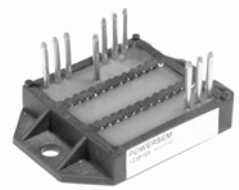
Type	$V_{RRM}$	$I_{TRMS}$ $I_{FRMS}$ $T_{VJ} = T_{VJM}$	$I_{TAVM}$ $I_{FAVM}$	$T_C$	$I_{FSM}$ 45°C 10ms	$V_{TO}$	$r_T$	$T_{VJM}$	$R_{thJC}$ Chip	$R_{thJH}$ Chip	Figure	Package style see outlines starting at page 86
	V	A	A	°C	A	V	mΩ	°C	Module K/W	Module K/W		
PSKH 80/06	600	140	80	85	550	0.8	2.95	125	0.36	0.56	78	Fig. 12 Weight = 24 g
PSKH 80/08	800	140										
PSKH 80/12	1200	140							0.18	0.28		
PSKC 96/06	600	180	105	85	2250	0.8	2.4	125	0.26	0.46	12	
PSKC 96/08	800	180										
PSKC 96/12	1200	180										
PSKC 96/14	1400	180							0.13	0.23		
PSKC 96/16	1600	180										
PSKC 96/18	1800	180										
PSKA 96/06	600	180	105	85	2250	0.8	2.4	125	0.26	0.46	13	
PSKA 96/08	800	180										
PSKA 96/12	1200	180										
PSKA 96/14	1400	180							0.13	0.23		
PSKA 96/16	1600	180										
PSKA 96/18	1800	180										
PSKH 96/06	600	180	105	85	2250	0.8	2.4	125	0.26	0.46	14	
PSKH 96/08	800	180										
PSKH 96/12	1200	180										
PSKH 96/14	1400	180							0.13	0.23		
PSKH 96/16	1600	180										
PSKH 96/18	1800	180										
PSKT 96/06	600	180	105	85	2250	0.8	2.4	125	0.26	0.46	15	
PSKT 96/08	800	180										
PSKT 96/12	1200	180										
PSKT 96/14	1400	180							0.13	0.23		
PSKT 96/16	1600	180										
PSKT 96/18	1800	180										
PSKI 96/06	600	180	105	85	2250	0.8	2.4	125	0.26	0.46	16	
PSKI 96/08	800	180										
PSKI 96/12	1200	180										
PSKI 96/14	1400	180							0.13	0.23		
PSKI 96/16	1600	180										
PSKI 96/18	1800	180										
PSET 132/08	800	300	132	85	3600	0.8	1.65	150 for 10 s	0.25	0.35	50	
PSET 132/12	1200	300										
PSET 132/14	1400	300										
PSET 132/16	1600	300							0.13	0.18		
PSET 132/18	1800	300										
PSET 180/08	800	300	180	90	4500	0.75	1.23	150 for 10 s	0.17	0.23	78	
PSET 180/12	1200	300										
PSET 180/14	1400	300										
PSET 180/16	1600	300							0.09	0.12		
PSET 180/18	1800	300										

Fig. 15  
Weight = 24 g

Fig. 16  
Weight = 24 g

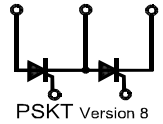
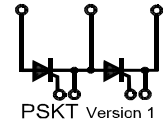
Fig. 50  
Weight = 24 g

Fig. 78  
Weight = 24 g



# Thyristor Modules

 released, E 148688



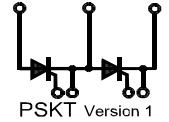
Type	$V_{RRM}$ $V_{DRM}$  V	$I_{TAV}$ 180° A	$T_C$ sine °C	$I_{TRMS}$ $I_{FRMS}$ $T_{VJ} = T_{VJM}$ A	$I_{TSM}$ $I_{FSM}$ 45°C 10ms A	$V_{TO}$  V	$r_T$  mΩ	$T_{VJM}$  °C	$R_{thJC}$ per chip K/W	$R_{thJH}$ per chip K/W	Figure	Package style see outlines starting at page 86
PSKT 19/08io1 PSKT 19/12io1 PSKT 19/14io1 PSKT 19/16io1	800 1200 1400 1600	18	85	40	400	0.85	18	125	1.3	1.5	8	
PSKT 19/08io8 PSKT 19/12io8 PSKT 19/14io8 PSKT 19/16io8	800 1200 1400 1600	18	85	40	400	0.85	18	125	1.3	1.5		
PSKT 26/08io1 PSKT 26/12io1 PSKT 26/14io1 PSKT 26/16io1	800 1200 1400 1600	27	85	50	520	0.85	11	125	0.88	1.08		
PSKT 26/08io8 PSKT 26/12io8 PSKT 26/14io8 PSKT 26/16io8	800 1200 1400 1600	27	85	50	520	0.85	11	125	0.88	1.08		
PSKT 44/08io1 PSKT 44/12io1 PSKT 44/14io1 PSKT 44/16io1 PSKT 44/18io1	800 1200 1400 1600 1800	49	85	80	1150	0.85	5.3	125	0.53	0.73		
PSKT 44/08io8 PSKT 44/12io8 PSKT 44/14io8 PSKT 44/16io8 PSKT 44/18io8	800 1200 1400 1600 1800	49	85	80	1150	0.85	5.3	125	0.53	0.73		
PSKT 56/08io1 PSKT 56/12io1 PSKT 56/14io1 PSKT 56/16io1 PSKT 56/18io1	800 1200 1400 1600 1800	60	85	100	1500	0.85	3.7	125	0.45	0.65		
PSKT 56/08io8 PSKT 56/12io8 PSKT 56/14io8 PSKT 56/16io8 PSKT 56/18io8	800 1200 1400 1600 1800	60	85	100	1500	0.85	3.7	125	0.45	0.65		
PSKT 72/08io1 PSKT 72/12io1 PSKT 72/14io1 PSKT 72/16io1 PSKT 72/18io1	800 1200 1400 1600 1800	85	85	180	1700	0.85	3.2	125	0.3	0.5		
PSKT 72/08io8 PSKT 72/12io8 PSKT 72/14io8 PSKT 72/16io8 PSKT 72/18io8	800 1200 1400 1600 1800	85	85	180	1700	0.85	3.2	125	0.3	0.5		
PSKT 94/20io1 PSKT 94/22io1	2000 2200	104	85	180	1700	0.85	3.2	125	0.22	0.42		
PSKT 95/08io1 PSKT 95/12io1 PSKT 95/14io1 PSKT 95/16io1 PSKT 95/18io1	800 1200 1400 1600 1800	116	85	180	2250	0.8	2.4	125	0.22	0.42		
PSKT 95/08io8 PSKT 95/12io8 PSKT 95/14io8 PSKT 95/16io8 PSKT 95/18io8	800 1200 1400 1600 1800	116	85	180	2250	0.8	2.4	125	0.22	0.42		

Fig. 8  
Weight = 90 g



# Thyristor Modules

**RU** released, E 148688



Type	V <sub>RRM</sub> V <sub>DRM</sub> V	I <sub>TAV</sub> 180° A	T <sub>C</sub> sine °C	I <sub>TRMS</sub> I <sub>FRMS</sub> T <sub>VJ</sub> = T <sub>VJM</sub> A	I <sub>TSM</sub> I <sub>FSM</sub> 45°C 10ms A	V <sub>TO</sub> V	r <sub>T</sub> mΩ	T <sub>VJM</sub> °C	R <sub>thJC</sub> per chip K/W	R <sub>thJH</sub> per chip K/W	Figure	Package style see outlines starting at page 86
PSKT 132/08io1 PSKT 132/12io1 PSKT 132/14io1 PSKT 132/16io1 PSKT 132/18io1	800 1200 1400 1600 1800	130	85	300	4750	0.8	1.5	125	0.23	0.33	9	Fig. 9 Weight = 125 g
PSKT 161/20io1 PSKT 161/22io1	2000 2200	165	85	300	6000	0.8	1.6	125	0.155	0.225		
PSKT 162/08io1 PSKT 162/12io1 PSKT 162/14io1 PSKT 162/16io1 PSKT 162/18io1	800 1200 1400 1600 1800	181	85	300	6000	0.88	1.15	125	0.155	0.225		
PSKT 170/12io1 PSKT 170/14io1 PSKT 170/16io1 PSKT 170/18io1	1200 1400 1600 1800	203	85	350	5400	0.8	1.0	130	0.164	0.204	11	
PSKT 220/08io1 PSKT 220/12io1 PSKT 220/14io1 PSKT 220/16io1	800 1200 1400 1600	250	85	400	8500	0.9	1.0	140	0.139	0.179	10	Fig. 11 Weight = 750
PSKT 224/20io1 PSKT 224/22io1	2000 2200	240	85	400	8000	0.8	0.76	130	0.139	0.179	11	
PSKT 225/12io1 PSKT 225/14io1 PSKT 225/16io1 PSKT 225/18io1	1200 1400 1600 1800	221	85	400	8000	0.8	0.76	130	0.157	0.197		
PSKT 250/08io1 PSKT 250/12io1 PSKT 250/14io1 PSKT 250/16io1 PSKT 250/18io1	800 1200 1400 1600 1800	287	85	450	9000	0.85	0.82	140	0.129	0.169	10	
PSKT 255/12io1 PSKT 255/14io1 PSKT 255/16io1 PSKT 255/18io1	1200 1400 1600 1800	250	85	450	9000	0.8	0.68	130	0.14	0.18	11	Fig. 10 Weight = 320 g
PSKT 310/08io1 PSKT 310/12io1 PSKT 310/14io1 PSKT 310/16io1 PSKT 310/18io1	800 1200 1400 1600 1800	320	85	500	9200	0.8	0.82	140	0.112	0.152	10	
PSKT 312/12io1 PSKT 312/14io1 PSKT 312/16io1 PSKT 312/18io1	1200 1400 1600 1800	320	85	520	9200	0.8	0.68	140	0.12	0.16	11	

