

### 3 ~ Full Controlled Rectifier Bridges, B6C

Type	$V_{RRM}$	$V_{VRMS}$	$I_{DAV}$	$T_C$	$I_{FSM}$ 45°C 10ms	$V_{TO}$	$r_T$	$T_{VJM}$	$R_{thJC}$	$R_{thJH}$	Package style	
	V	V							Chip	Chip		
											see outlines starting at page 86	
											Module K/W	Module K/W
PSDT 39/08	800	250	39	85	200	0.85	27	125	1.3	1.8	51	
PSDT 39/12	1200	400							0.22	0.3		
PSDT 70/08	800	250	70	85	520	0.85	11	125	0.9	1.1	6	
PSDT 70/12	1200	400							-----	-----		
PSDT 70/14	1400	440							0.15	0.183		
PSDT 70/16	1600	500							-----	-----		
PSDT 74/08*	800	250	74	85	550	0.85	11	125	0.8	1.1	76	
PSDT 74/12*	1200	400							-----	-----		
PSDT 74/14*	1400	440							0.2	0.275		
PSDT 74/16*	1600	500							-----	-----		



Fig. 7  
Weight = 220 g

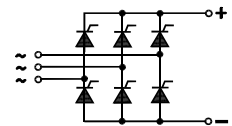


Fig. 51  
Weight = 16 g

**ECO-PAC™ 1**

\* UL release applied

### Three Phase Rectifier Bridges



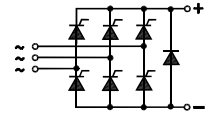
### 3 ~ Full Controlled Rectifier Bridges, B6C

Type	$V_{RRM}$	$V_{VRMS}$	$I_{DAV}$	$T_C$	$I_{FSM}$ 45°C 10ms	$V_{TO}$	$r_T$	$T_{VJM}$	$R_{thJC}$	$R_{thJH}$	Figure	Package style
	V	V							Chip	Chip		
											see outlines starting at page 86	
											Module K/W	Module K/W
PSDT 75/08	800	250	75	85	550	0.85	11	125	0.9	1.1	7	Fig. 2 Weight = 270 g
PSDT 75/12	1200	400							-----	-----		
PSDT 75/14	1400	440							0.15	0.183		
PSDT 75/16	1600	500							-----	-----		
PSDT 90/08	800	250	100	85	1150	0.85	5.33	125	0.6	0.8	2	
PSDT 90/12	1200	400							-----	-----		
PSDT 90/14	1400	440							0.10	0.133		
PSDT 110/08	800	250	110	85	1150	0.85	6	125	0.65	0.8	2	
PSDT 110/12	1200	400							-----	-----		
PSDT 110/14	1400	440							0.108	0.133		
PSDT 175/08	800	250	167	85	1500	0.85	3.5	125	0.46	0.55	2	
PSDT 175/12	1200	400							-----	-----		
PSDT 175/14	1400	440							0.077	0.092		
PSDT 175/16	1600	500							-----	-----		





released, E 148688

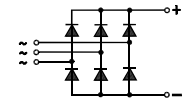


### 3 ~ Full Controlled Rectifier Bridges with Freewheeling Diode, B6CF

Type	$V_{RRM}$	$V_{VRMS}$	$I_{DAV}$	$T_C$	$I_{FSM}$ 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	V	A	°C	A	V	mΩ	°C	Module K/W	Module K/W		
PSFT 70/08	800	250	70	85	550	0.85	11	125	0.9	1.1	6	Fig. 6 Weight = 100 g
PSFT 70/12	1200	400										
PSFT 70/14	1400	440										
PSFT 70/16	1600	500										



released, E 148688



### 3 ~ Rectifier Bridges with Fast Recovery Epitaxial Diodes, B6U

Type	$V_{RRM}$	$V_{VRMS}$	$I_{DAV}$	$T_C$	$I_{FSM}$ 45°C 10ms	$V_{TO}$	$r_T$	$t_{rr}$	$R_{thJC}$ Chip	$R_{thJH}$ Chip	Figure	Package style see outlines starting at page 86
	V	V	A	°C	A	V	mΩ	ns	Module K/W	Module K/W		
PSD 24F/04	400	125	34	85	50	1.18	22	35	2.5	2.8	25	Fig. 25 Weight = 16 g
PSD 24F/06	600	200										
PSD 24F/08	800	250	24	85	40	1.39	55	40	0.42	0.47		
PSD 24F/12	1200	400										
PSD 43F/04	400	125	56	85	110	1.13	13	35	1.6	1.9	68	Fig. 68 Weight = 22 g
PSD 43F/06	600	200										
PSD 43F/08	800	250	40	85	90	1.32	30	40	0.27	0.32		
PSD 43F/12	1200	400										
PSD 91F/04	400	125	86	100	250	0.98	8	35	0.9	1.2	68	Fig. 68 Weight = 22 g
PSD 91F/06	600	200										
PSD 91F/08	800	250	74	85	200	1.31	15	40	0.15	0.2		
PSD 91F/12	1200	400										
PSD 150F/04	400	125	130	85	600	1.09	4.3	35	0.85	1.0	68	Fig. 68 Weight = 22 g
PSD 150F/06	600	200										
PSD 150F/08	800	250	130	75	500	1.12	5.7	40	0.14	0.17		
PSD 150F/12	1200	400										



**ECO-PAC™ 1**  
Fig. 68  
Weight = 22 g



**ECO-PAC™ 2**