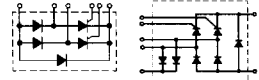


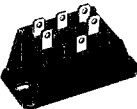

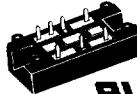

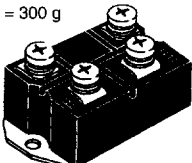
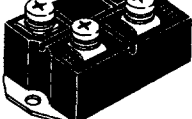


# 1~ Rectifier Bridges



## 1~ Half Controlled Rectifier Bridges with free wheeling diode, B2HKF

VHF

VHFHD

Type	$V_{RRM}$ V	$V_{VRMS}$ V	$I_{dAV}$ @ $T_H$ A °C	$I_{FSM}$ 45°C 10 ms A	$V_{TD}$ V	$r_T$ m	$T_{VJM}$ °C	$R_{thJC}$ per Chip K/W	$R_{thJH}$ per Chip K/W	Fig. No.	Package style Outline drawings on page 91-100
VHF 15-08io5 VHF 15-12io5 VHF 15-14io5 VHF 15-16io5	800 1200 1400 1600	250 400 440 500	15 85	190	1.0	40	125	2.4	3.0	43	Fig. 43 Weight = 50 g 
VHF 25-06io7 VHF 25-08io7 VHF 25-12io7	600 800 1200	125 250 400	32 $T_C = 85^\circ C$	200	0.85	27	125	1.3	1.8	24	
VHF 28-08io5 VHF 28-12io5 VHF 28-14io5 VHF 28-16io5	800 1200 1400 1600	250 400 440 500	28 85	300	0.9	15	125	1.4	2.0	43	Fig. 47 Weight = 35 g 
VHF 36-08io5 VHF 36-12io5 VHF 36-14io5 VHF 36-16io5	800 1200 1400 1600	250 400 440 500	36 85	320	0.85	13	125	1.15	1.55	43	
VHF 55-08io7 VHF 55-12io7 VHF 55-14io7 VHF 55-16io7	800 1200 1400 1600	250 400 440 500	53 85	550	0.85	11	125	0.9	1.1	57	Fig. 54 Weight = 300 g 
VHF 85-12io7 VHF 85-14io7	1200 1400	400 440	82 85	1150	0.85	6	125	0.65	0.8	54	
VHF 125-12io7 VHF 125-14io7 VHF 125-16io7	1200 1400 1600	400 440 500	123 85	1500	0.85	3.5	125	0.46	0.55	54	
VHFHD 16-08io1 VHFHD 16-12io1 VHFHD 16-14io1 VHFHD 16-16io1	800 1200 1400 1600	250 400 440 500	16 85	150	1.0	40	125	2.4	3.0	47	Fig. 57 Weight = 100 g 
VHFHD 29-08io1 VHFHD 29-12io1 VHFHD 29-14io1 VHFHD 29-16io1	800 1200 1400 1600	250 400 440 500	28 85	300	0.9	15	125	1.4	2.0	47	
VHFHD 37-08io1 VHFHD 37-12io1 VHFHD 37-14io1 VHFHD 37-16io1	800 1200 1400 1600	250 400 440 500	36 85	320	0.85	13	125	1.2	1.55	47	Fig. 24 ECO-PAC 1 Weight = 19 g See data sheet for pin arrangement 