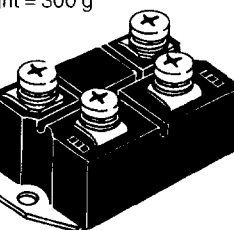
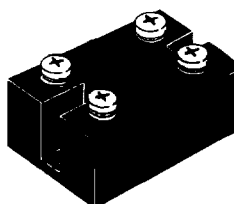
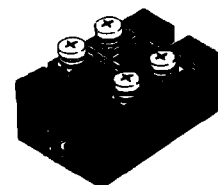


1~ Rectifier Bridges

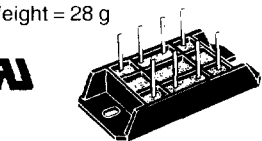
1~ Rectifier Bridges with Standard Diodes, B2U

Type	V_{RRM}	V_{VRMS}	I_{dAV} @ T_C		I_{FSM} 45°C 10 ms	V_{T0}	r_T	T_{VJM}	R_{thJC} per Chip Module K/W	R_{thJK} per Chip Module K/W	Fig. No.	Package style
▶ New	V	V	A	°C	A	V	mΩ	°C				See outlines on page 43, 45
▶ VBO 95-08NO7	800	250	95	85	1200	0.8	5	150	0.9	1.1	65	Fig. 65 Weight = 180 g
▶ VBO 95-12NO7	1200	400										
▶ VBO 95-14NO7	1400	440						0.225	0.275			
▶ VBO 95-16NO7	1600	500										
▶ VBO 95-18NO7	1800	575										
▶ VBO 105-08NO7	800	250	105	85	1500	0.8	5	150	0.9	1.1	68	
▶ VBO 105-12NO7	1200	400										
▶ VBO 105-14NO7	1400	440						0.225	0.275			
▶ VBO 105-16NO7	1600	500										
▶ VBO 105-18NO7	1800	575										
▶ VBO 125-08NO7	800	250	125	85	1800	0.8	3	150	0.9	1.1	68	Fig. 68 Weight = 225 g
▶ VBO 125-12NO7	1200	400										
▶ VBO 125-14NO7	1400	440						0.225	0.275			
▶ VBO 125-16NO7	1600	500										
▶ VBO 125-18NO7	1800	575										
▶ VBO 130-08NO7	800	250	139	110	1800	0.8	3	150	0.85	0.928	69	
▶ VBO 130-12NO7	1200	400										
▶ VBO 130-14NO7	1400	440						0.212	0.232			
▶ VBO 130-16NO7	1600	500										
▶ VBO 130-18NO7	1800	575										
▶ VBO 160-08NO7	800	250	165	110	2800	0.8	2.2	150	0.65	0.772	69	Fig. 69 Weight = 300 g
▶ VBO 160-12NO7	1200	400										
▶ VBO 160-14NO7	1400	440						0.163	0.193			
▶ VBO 160-16NO7	1600	500										
▶ VBO 160-18NO7	1800	575										



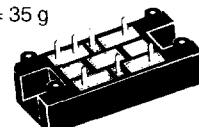
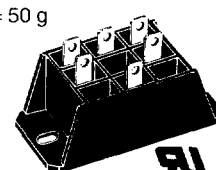
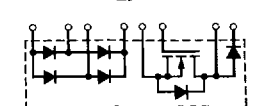
Power Stage for Boost Converters (Power Factory Correction)

Type	V_{DSS} max.	$I_{D(cont)}$ $T_s = 25^\circ C$	$R_{DS(on)}$	R_{thJS} max.	P_D max. $T_c = 25^\circ C$	V_{RRM} Boost Diode V	V_{RRM} Rectifier Diodes V	Fig. No.
	V	A	Ω	K/W	W	V	V	
VUM 24-05N	500	35	0.12	0.38	325	600	800	37
VUM 33-05N		47		0.21	595			



1~ Half Controlled Rectifier Bridges with freewheeling diode, B2HKF

Type	V_{RRM}	V_{VRMS}	I_{dAV} @ T_K		I_{FSM} 45°C 10 ms	V_{T0}	r_T	T_{VJM}	R_{thJC} per Chip	R_{thJK} per Chip	Fig. No.
▶ New	V	V	A	°C	A	V	mΩ	°C	K/W	K/W	
VHF 15-08io5	800	250	15	85	190	1.0	40	125	2.4	3.0	41
VHF 15-12io5	1200	400									
VHF 15-14io5	1400	440									
VHF 15-16io5	1600	500									
VHF 28-08io5	800	250	28	85	300	0.9	15	125	1.4	2.0	
VHF 28-12io5	1200	400									
VHF 28-14io5	1400	440									
VHF 28-16io5	1600	500									
VHF 36-08io5	800	250	36	85	320	0.85	13	125	1.15	1.55	
VHF 36-12io5	1200	400									
VHF 36-14io5	1400	440									
VHF 36-16io5	1600	500									
▶ VHFD 16-08io1	800	250	16	85	150	1.0	40	125	2.4	3.0	70
▶ VHFD 16-12io1	1200	400									
▶ VHFD 16-14io1	1400	440									
▶ VHFD 16-16io1	1600	500									
▶ VHFD 29-08io1	800	250	28	85	300	0.9	15	125	1.4	2.0	
▶ VHFD 29-12io1	1200	400									
▶ VHFD 29-14io1	1400	440									
▶ VHFD 29-16io1	1600	500									



Data according to DIN / IEC 747