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Мы не работаем с частными (физическими) лицами.

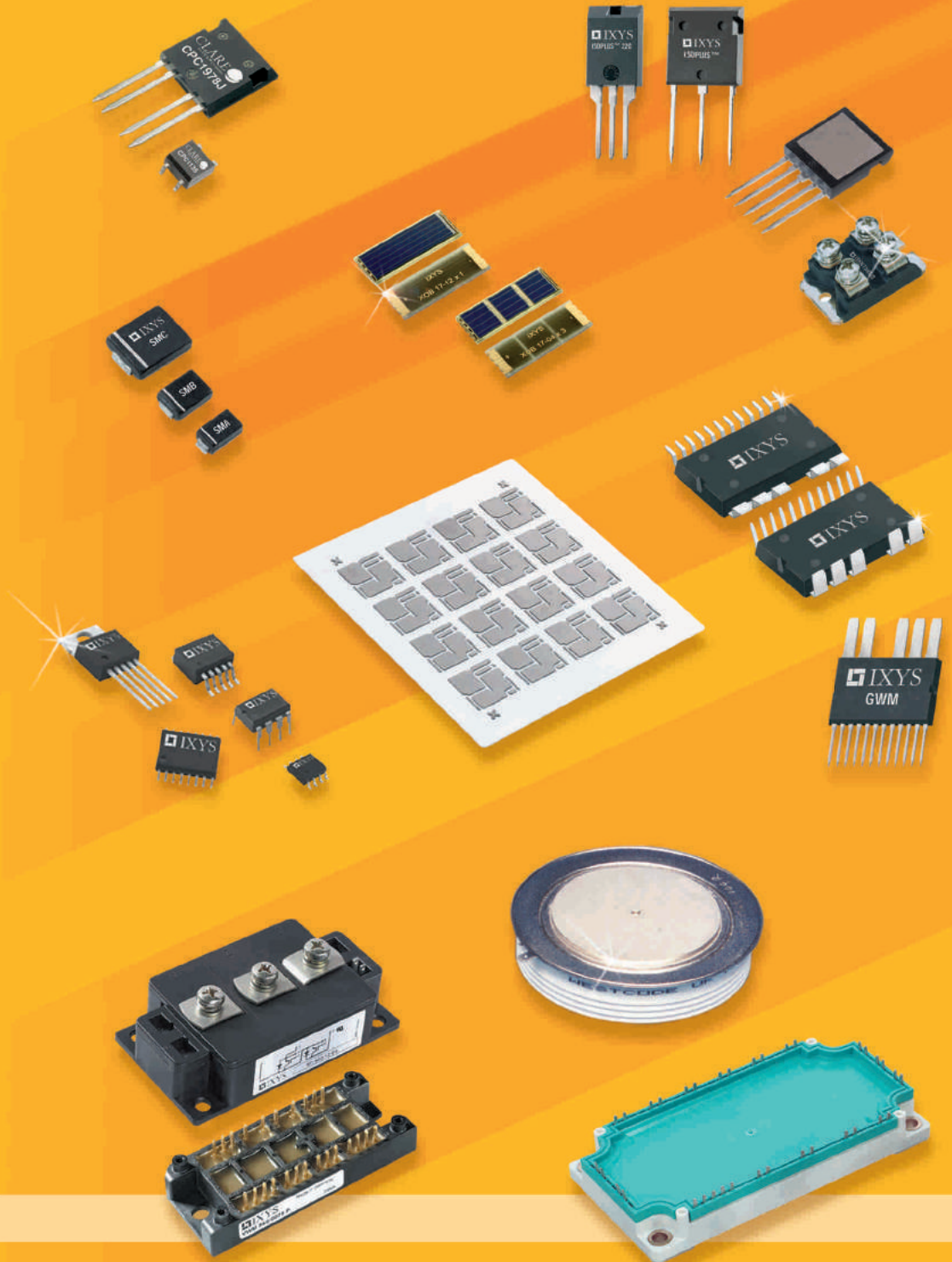
Мы работаем только с юридическими лицами(организациями) и ИП и только по безналичному расчёту.
каталог, описание, технические, характеристики, datasheet, параметры, маркировка,габариты, фото , мост, выпрямитель



Выпрямитель, Минск

Электронные компоненты, радиодетали

где и как купить в Минске?



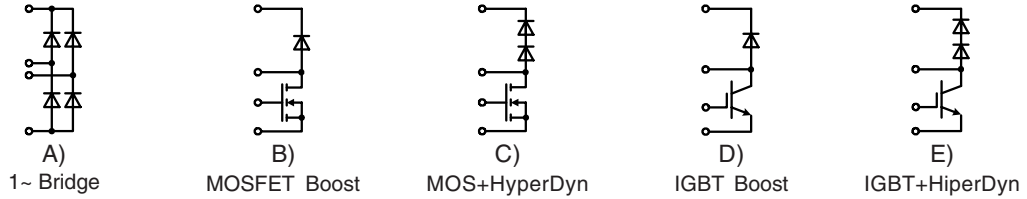
IXYS

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Rectifier Bridges for Power Factor Correction

Power Stage for Boost Converters (Power Factor Correction)

1-phase PFC

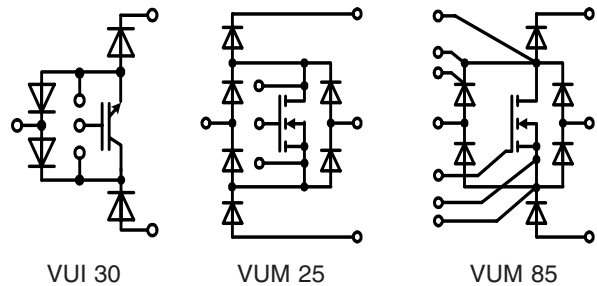


Type	Circuit	V_{DSSmax}	I_D	$R_{DS(on)}$	V_{RRM}	V_{RRM}	Fig. No.	Package style
> New		V	$T_c = 25^\circ C$	max.	Boost Diode	Rectifier Diodes		Outline drawings on page 188 - 224
MOSFET	> IXFN 64N50PD2	B	500	52	0.086	600	-	X027a
	FMD 21-05QC	C	500	21	0.22	600	-	X024a
	FMD 25-06KC5	C, CoolMOS**	600	25	0.10	600	-	X024a
	FMD 25-06KCSiC	C, CoolMOS**	600	25	0.10	600	-	X024a
	FMD 40-06KC	C, CoolMOS**	600	38	0.07	600	-	X024a
	FMD 40-06KC5	C, CoolMOS**	600	47	0.045	600	-	X024a
	VUM 24-05N	A + B	500	35	0.12	600	800	X105b
VUM 33-05N	A + B	500	47	0.12	600	800	X105b	
								X024a ISOPLUS i4-PAC™ Weight = 6 g
								X027a SOT-227B miniBLOC Weight = 30 g
Type	Circuit	V_{CESmax}	I_C	$V_{CE(sat)}$	V_{RRM}	V_{RRM}		
> New		V	$T_c = 25^\circ C$	@ I_C	Boost Diode	Rectifier Diodes		
IGBT	FID 35-06C	E	600	38	1.9 25	600	-	X024a
	FID 36-06D	D	600	38	1.9 25	600	-	X024a
	FID 60-06D	D	600	65	1.6 30	600	-	X024a
	VUI 9-06N7	A + D	600	37	1.8 10	600	1200	X101
								X101 ECO-PAC 1 Weight = 19 g
								See data sheet for pin arrangement
Type	Circuit	V_{RRM}	$I_{D(AV)}$ @ T_c					
> New		V						
Rect.	FBO 16-12N *	A	1200		22 A @ 90 °C			X024a
	FBO 40-12N *	A	1200		40 A @ 90 °C			X024a
* Recommended in combination with types FMD and FID								X105b Weight = 28 g

3-phase PFC

“Vienna Rectifier” circuit

- wide input voltage range
- sinusoidal mains input currents in phase with mains
- boost converter operation:
 - input: three phase AC mains without neutral conductor
 - output: stabilized DC link with center point
- one module used per phase



For further information on this circuit please visit IXYS website <http://www.ixys.com>

Type	P_N / kW	Configuration	Fig. No.	Package style
> New	3 ~ 400 V $T_c = 80^\circ C$			Outline drawings on pages 188 - 224
VUM 25-05E	10	Vienna rectifier current	X103	X103 Weight = 35 g X104 Weight = 80 g
VUM 85-05A	30	Vienna rectifier current	X104	
VUI 30-12N1	15	IGBT stage for buck @ boost PWM converter	X103	

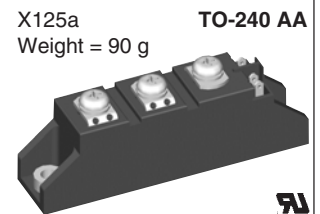
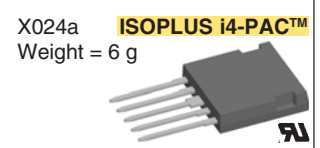
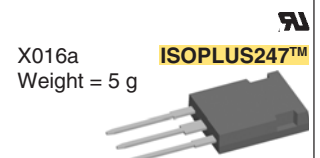
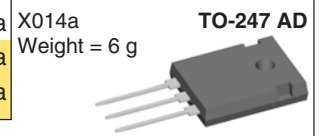
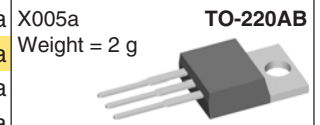
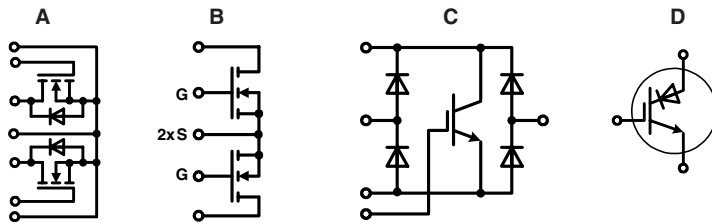
MOS / IGBT AC switch

- Fast AC switch
- Easy to turn-off like a MOSFET or IGBT
- Applications
 - lighting control
 - AC motor control
 - matrix inverter

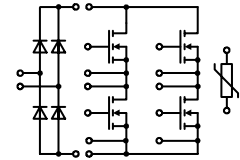
Type	Configuration	BV voltage ±	Rated current A $T_c = 25\text{ °C}$	Circuit	Fig. No.	Package style Outline drawings on page 188 - 224
► New						
VMK 165-007T	MOSFET in common source	70	165	A	X125a	X005a Weight = 2 g
FMK 75-01F	MOSFET in common source	100	75	B	X024a	
VMK 90-02T2	MOSFET in common source	200	83	A	X125a	X014a Weight = 6 g
► IXRP 15N120	single RIGBT ①	1200	25	D	X005a	
IXRH 40N120	single RIGBT ①	1200	55	D	X014a	X016a Weight = 6 g
► IXRR 40N120	single RIGBT ①	1200	45	D	X016a	
FIO 50-12BD	IGBT and Diode Bridge	1200	50	C	X024a	

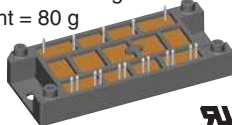
preliminary data, typical values

① Single IGBT die with reverse blocking capability



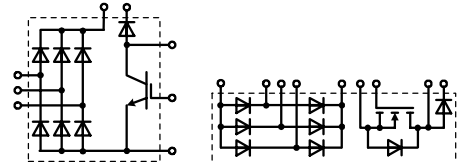
Module with HiPerFET™ H-Bridge and Single Phase Mains Rectifier Bridge



Type	V_{DSS} V	I_D A $T_c = 25^\circ\text{C}$	I_D A $T_c = 80^\circ\text{C}$	$R_{Dson(max)}$ $m\Omega$ $T_c = 25^\circ\text{C}$	V_{DRM} V rectifier diode	I_{DAVM} A @ T_c	Package style
► New							Outline drawings on page 188 - 224
VBH 40-05B	500	40	30	116	1200	33 80	X104 V2-Package Weight = 80 g 

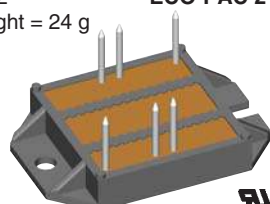
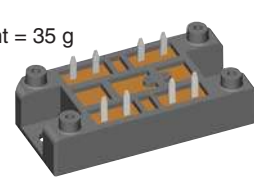
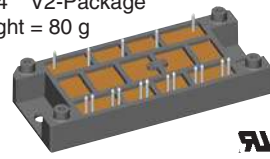
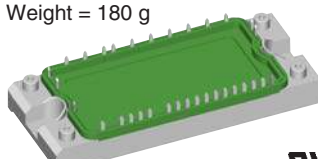
3~ Rectifier Bridges

with IGBT and Diode for Brake Unit



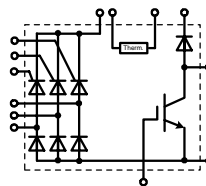
VUB...

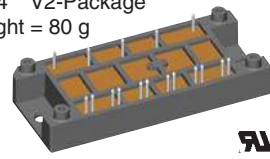
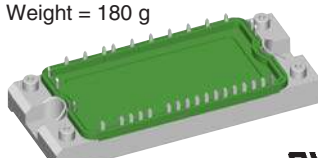
VUBM...

Type	V_{RRM} V	Rectifier		IGBT		fast Diode			Fig. No.	Package style
		I_{dAV} @ T_c A	$^\circ\text{C}$	V_{CES} V	I_{C80} A	V_{RRM} V	$I_{F(AV)}$ A	t_{rr} ns		
VUB 33-06P1	600	22	90	600	33	600	24	30	X102	X102 Weight = 24 g  ECO-PAC 2
VUBM 33-05P1	500	48	100	500	36/MOSFET	600	30	30		
VUB 50-12PO1	1200	56	100	1200	14	1200	10	110	X102	See data sheet for pin arrangement
VUB 50-16PO1	1600									
VUB 72-12NO1	1200	110	80	1200	35	1200	15	130	X103	X103 Weight = 35 g 
VUB 72-16NO1	1600									
VUB 116-16NO1	1600	116	100	1200	67	1200	27	40	X112	X104 Weight = 80 g 
VUB 120-12NO2	1200	188	80	1200	100	1200	34	40	X104	
VUB 120-16NO2	1600									
► VUB 135-22NO1	2200	135	100	1700	50	1800	50	40	X112	X112 Weight = 180 g 
VUB 145-16NO1	1600	145	100	1200	100	1200	27	40	X104	
VUB 160-12NO2	1200	188	80	1200	125	1200	34	40	X104	
VUB 160-16NO2	1600									

3~ Half Controlled Rectifier Bridges

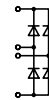
with IGBT and Diode for Brake Unit



Type	V_{RRM} V	Rectifier		IGBT		fast Diode			Fig. No.	Package style
		I_{dAV} @ T_c A	$^\circ\text{C}$	V_{CES} V	I_{C80} A	V_{RRM} V	$I_{F(AV)}$ A	t_{rr} ns		
VVZB 120-12io2	1200	120	80	1200	100	1200	27	40	X104	X104 V2-Package Weight = 80 g 
VVZB 120-16io2	1600									
VVZB 135-16NO1	1600	135	85	1200	67	1200	27	40	X112	X112 Weight = 180 g 
VVZB 170-16NO1	1600	170	85	1200	100	1200	27	40	X112	

Rectifier Bridges with Fast Diodes

Rectifier Bridges with Superfast Recovery Diodes



1-phase, B2U

Type	V _{RRM}	I _{dAV} @ T _C	I _{FSM} 45°C 10 ms	V _{T0}	r _T	T _{VJM}	R _{thJC}	R _{thCHtyp} per Chip	Fig. No.	Package style	
► New	V	A	°C	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224
VBE 17-06NO7	600	27	85	50	1.18	22.0	150	2.5	0.3	X101	X024a Weight = 6 g
VBE 17-12NO7	1200	19	85	40	1.32	30.0	150	2.5	0.3		
VBE 20-20NO1	2000	20	65	75	3.30	93.0	150	1.7	0.3	X103	X027a Weight = 30 g
VBE 26-06NO7	600	44	85	110	1.13	13.0	150	1.6	0.3	X101	
VBE 26-12NO7	1200	32	85	90	1.32	30.0	150	1.6	0.3		
VBE 55-06NO7	600	68	100	250	0.98	8.0	150	0.9	0.3		X027a Weight = 30 g
VBE 55-12NO7	1200	59	85	200	1.31	15.0	150	0.9	0.3		
VBE 60-06A	600	60	90	250	0.98	6.8	150	1.15	0.1	X027a	X024a
FBE 22-06N1	600	20	90	40	-	-	150	3.5	0.15		
VBE 100-06NO7	600	100	85	600	1.09	4.3	150	0.8	0.2	X102	X024a
VBE 100-12NO7	1200	100	70	500	1.07	8.2	150	0.8	0.2		
FBS 10-06SC*	600	6.6	90	12	-	-	175	8.0	3.5	X024a	
FBS 16-06SC*	600	11	90	20	-	-	175	5.6	3.0		

* SiC-Diodes

3-phase, B6U

FUS 45-0045B	45	20	90	150	-	-	150	3.1	0.15	X024a	X101 Weight = 19 g
VUE 50-12NO1	1200	50	85	200	1.65	18.2	150	1.2	0.3	X103	
VUE 30-20NO1	2000	30	65	75	3.30	93.0	150	1.7	0.3		X101
VUE 22-06NO7	600	34	85	50	1.18	22.0	150	2.50	0.3		
VUE 22-12NO7	1200	24	85	40	1.39	55.0	150	2.50	0.3		
VUE 35-06NO7	600	56	85	110	1.13	13.0	150	1.60	0.3		X102 Weight = 24 g
VUE 35-12NO7	1200	40	85	90	1.32	30.0	150	1.60	0.3		
VUE 75-06NO7	600	86	100	250	0.98	8.0	150	0.90	0.3		X024a
VUE 75-12NO7	1200	74	85	200	1.31	15.0	150	0.90	0.3		
FUE 30-12N1	1200	30	90	80	-	-	150	2.3	0.15	X024a	
VUE 130-06NO7	600	130	85	600	1.09	4.3	150	0.8	0.2	X102	X103 Weight = 35 g
VUE 130-12NO7	1200	130	70	500	1.07	8.2	150	0.8	0.2		

Rectifier Bridges with Semifast Diodes

3-phase, B6U, t_{rr} = 1.5 μs

VUO 18-12DT8*	1200	18	63	300	1.2	16	150	9.3	0.9	X116b	X116b Weight = 22 g
VUO 18-14DT8*	1400										
VUO 18-16DT8*	1600										

* not recommended for new design

Rectifier Bridges incorporating Fast Diodes

Power switching semiconductors are used in inverter systems with DC-Link. Due to high switching frequencies, harmonics and line distortion may be generated. It is important that the new designs reduce these influences and fulfill the EMI filtering requirements according to EMI/EMC VDE 0871 and other.

The noise level can be reduced by up to **10dB** when the input rectifier is equipped with Semi-fast diodes and is therefore optimised for turn off; resulting in a lower peak recovery current compared to non-optimised and normal rectifier diodes.

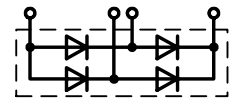
The noise level can be further reduced approximately by another **5dB** when using rectifier bridges equipped with Fast

Recovery Epitaxial Diodes (FRED) like module types VBE (single phase bridge) or VUE (three phase bridge). However these are more expensive but may be necessary in some applications to fulfill the VDE or other standards.

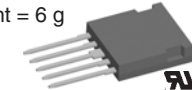

This behaviour has a direct influence on the design of the EMI filter networks with its capacitors and inductors of which the size and costs can be reduced.

More detailed information is available in the IXYS application note D98005E "Input Rectifiers with Semi-fast Diodes for DC Link" on www.ixys.com.


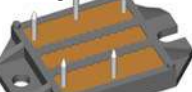

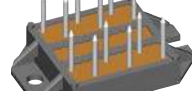


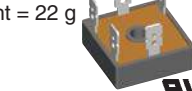


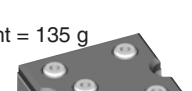

1~ Rectifier Bridges



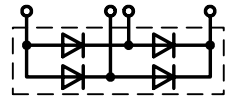
1~ Rectifier Bridges with Avalanche Diodes, B2U

Type	V _{RRM}	V _{VRMS}	I _{dAV} @ T _C		I _{FSM} 45°C 10 ms	V _{TO}	r _T	T _{VJM}	R _{thJC} R _{thJH} per Chip		P _{RSM}	Fig. No.	Package style
► New	V	V	A	°C	A	V	mΩ	°C	K/W	K/W	kW		Outline drawings on page 188 - 224
VBO 13-12AO2	1200	400	18	85	220	0.85	17	150	5.6	6.0	2.5	X115	X024a ISOPLUS i4-PAC™ Weight = 6 g 
VBO 13-14AO2	1400	500											
VBO 13-16AO2	1600	500											
VBO 20-12AO2	1200	400	31	85	300	0.85	14	150	3.0	3.4	3.4	X025 Weight = 7 g 	
VBO 20-14AO2	1400	440											
VBO 20-16AO2	1600	500											
VBO 25-12AO2	1200	400	38	85	370	0.85	8	150	2.8	3.2	3.4		
VBO 25-14AO2	1400	440											
VBO 25-16AO2	1600	500											

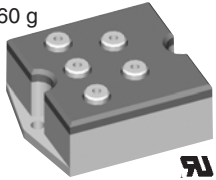
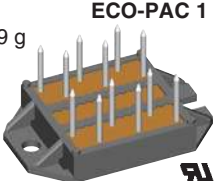
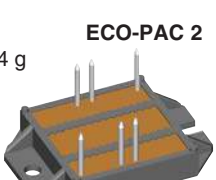
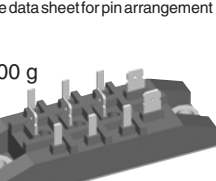
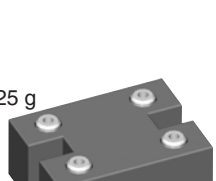




1~ Rectifier Bridges with Standard Diodes, B2U

VBO 13-08NO2	800	250	18	85	220	0.85	17	150	5.6	6.0	-	X115	X027a SOT-227B miniBLOC Weight = 30 g 	
VBO 13-12NO2	1200	400												
VBO 13-14NO2	1200	400												
VBO 13-16NO2	1600	500												
FBO 16-12N	1200	400	22	90	100	0.83	28	150	4.0	5.0	-	X024a		
VBO 19-08NO7	800	250	21	100	100	0.8	40	150	2.3	2.8	-	X100		
VBO 19-12NO7	1200	400												
VBO 20-08NO2	800	250	31	85	300	0.85	14	150	3.0	3.4	-	X115	X100 Slim-PAC Weight = 17 g 	
VBO 20-12NO2	1200	400												
VBO 20-14NO2	1400	440												
VBO 20-16NO2	1600	500												
VBO 21-08NO7	800	250	21	100	100	0.8	40	150	2.3	2.8	-	X101		
VBO 21-12NO7	1200	400												
VBO 22-08NO8	800	250	17	85	380	0.85	12	150	8.2	9.4	-	X116b	See data sheet for pin arrangement 	
VBO 22-12NO8	1200	400												
VBO 22-14NO8	1400	440												
VBO 22-16NO8	1600	500												
VBO 22-18NO8	1800	575												
GBO 25-12NO1	1200	400	25	80	370	0.89	12.2	150	4.3	4.8	-	X025		
GBO 25-16NO1	1600	500												
VBO 25-08NO2	800	250	38	85	370	0.85	8	150	2.8	3.2	-	X115	See data sheet for pin arrangement 	
VBO 25-12NO2	1200	400												
VBO 25-14NO2	1400	440												
VBO 25-16NO2	1600	500												
VBO 30-08NO7	800	250	35	85	400	0.85	12	150	2.8	3.4	-	X119	Weight = 15 g 	
VBO 30-12NO7	1200	400												
VBO 30-14NO7	1400	440												
VBO 30-16NO7	1600	500												
VBO 30-18NO7	1800	575												
VBO 36-08NO8	800	250	23	85	550	0.8	5.8	150	6.2	7.4	-	X116b	Weight = 22 g 	
VBO 36-12NO8	1200	400												
VBO 36-14NO8	1400	440												
VBO 36-16NO8	1600	500												
VBO 36-18NO8	1800	575												
FBO 40-12N	1200	400	40	90	250	0.83	10	150	2.3	2.9	-	X024a		
VBO 40-08NO6	800	250	40	100	300	0.8	13	150	1.7	2.0	-	X027a	Weight = 100 g 	
VBO 40-12NO6	1200	400												
VBO 40-16NO6	1600	500												
VBO 45-08NO7	800	250	45	100	550	0.8	8	150	1.45	1.9	-	X118a	Weight = 135 g 	
VBO 45-12NO7	1200	400												
VBO 45-14NO7	1400	440												
VBO 45-16NO7	1600	500												
VBO 45-18NO7	1800	575												

1~ Rectifier Bridges

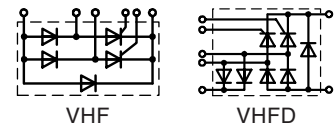


1~ Rectifier Bridges with Standard Diodes, B2U

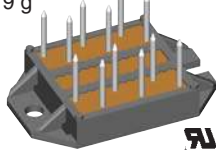
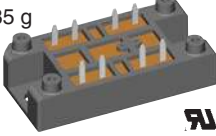
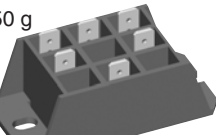





Type	V _{RRM}	V _{VRMS}	I _{dAV} @ T _C		I _{FSM} 45°C 10 ms	V _{TO}	r _T	T _{VJM}	R _{thJC} R _{thJH} per Chip		Fig. No.	Package style
► New	V	V	A	°C	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224
VBO 50-08NO7 VBO 50-12NO7 VBO 50-14NO7 VBO 50-16NO7 VBO 50-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	50	64	750	0.85	8	150	2.6	2.84	X120	X120 Weight = 260 g 
VBO 52-08NO7 VBO 52-12NO7 VBO 52-14NO7 VBO 52-16NO7 VBO 52-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	52	100	550	0.8	8	150	1.45	1.87	X122	
VBO 54-08NO7 VBO 54-12NO7 VBO 54-14NO7 VBO 54-16NO7	800 1200 1400 1600	250 400 440 500	54	100	300	0.8	13	150	1.1	1.6	X101	X101 Weight = 19 g ECO-PAC 1 
VBO 55-08NO7 VBO 55-12NO7 VBO 55-14NO7 VBO 55-16NO7 VBO 55-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	55	100	750	0.8	6	150	1.3	1.6	X118a	 See datasheet for pin arrangement
VBO 65-08NO7 VBO 65-12NO7 VBO 65-14NO7 VBO 65-16NO7 VBO 65-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	65	100	1000	0.8	5	150	1.12	1.5	X118a	X102 Weight = 24 g ECO-PAC 2  See datasheet for pin arrangement
VBO 68-08NO7 VBO 68-12NO7 VBO 68-14NO7 VBO 68-16NO7	800 1200 1400 1600	250 400 440 500	68	90	530	0.8	7.5	150	1.2	1.5	X101	
VBO 72-08NO7 VBO 72-12NO7 VBO 72-14NO7 VBO 72-16NO7 VBO 72-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	72	100	750	0.8	5	150	1.1	1.52	X122	X118a Weight = 100 g 
VBO 78-08NO7 VBO 78-12NO7 VBO 78-14NO7 VBO 78-16NO7 VBO 78-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	78	100	750	0.8	6	150	1.2	1.5	X102	
VBO 88-08NO7 VBO 88-12NO7 VBO 88-14NO7 VBO 88-16NO7 VBO 88-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	92	100	900	0.8	4	150	0.85	1.15	X102	X121 Weight = 225 g 
VBO 105-08NO7 VBO 105-12NO7 VBO 105-14NO7 VBO 105-16NO7 VBO 105-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	107	85	1500	0.8	5	150	0.83	1.13	X121	
VBO 125-08NO7 VBO 125-12NO7 VBO 125-14NO7 VBO 125-16NO7 VBO 125-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	124	85	1800	0.8	3	150	0.83	1.13	X121	X122 Weight = 160 g
VBO 130-08NO7 VBO 130-12NO7 VBO 130-14NO7 VBO 130-16NO7 VBO 130-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	122	100	1800	0.8	3	150	0.65	0.83	X123a	X123a Weight = 300 g
VBO 160-08NO7 VBO 160-12NO7 VBO 160-14NO7 VBO 160-16NO7 VBO 160-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	174	100	2800	0.8	2.2	150	0.45	0.6	X123a	

Data according to IEC 60747 and refer to a single diode or thyristor unless otherwise stated.

1~ Rectifier Bridges

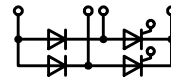


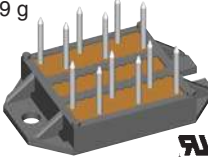
1~ Half Controlled Rectifier Bridges with free wheeling diode, B2HKF

Type	V_{RRM}	V_{VRMS}	$I_{dAV} @ T_H$		I_{FSM} 45°C	V_{TO}	r_T	T_{VJM}	R_{thJC}	R_{thJH}	Fig. No.	Package style Outline drawings on page 188 - 224
	V	V	A	°C								
VHF 15-08io5	800	250	15	85	190	1.0	40	125	2.4	3.0	X117a	ECO-PAC 1 Weight = 19 g  See data sheet for pin arrangement
VHF 15-12io5	1200	400										
VHF 15-14io5	1400	440										
VHF 15-16io5	1600	500										
VHF 25-06io7	600	125	32	85	200	0.85	27	125	1.3	1.8	X101	
VHF 25-08io7	800	250										
VHF 25-12io7	1200	400		$T_c = 85^\circ C$								
VHF 28-08io5	800	250	28	85	300	0.9	15	125	1.4	2.0	X117a	Weight = 35 g 
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	X117a	
VHF 36-12io5	1200	400										
VHF 36-14io5	1400	440										
VHF 36-16io5	1600	500										
VHF 55-08io7	800	250	53	85	550	0.85	11	125	0.9	1.1	X118a	Weight = 50 g 
VHF 55-12io7	1200	400										
VHF 55-14io7	1400	440										
VHF 55-16io7	1600	500										
VHF 85-12io7	1200	400	82	85	1150	0.85	6	125	0.65	0.8	X123a	
VHF 85-14io7	1400	440										
VHF 125-12io7	1200	400	123	85	1500	0.85	3.5	125	0.46	0.55	X123a	Weight = 100 g 
VHF 125-14io7	1400	440										
VHF 125-16io7	1600	500										
VHFD 16-08io1	800	250	16	85	150	1.0	40	125	2.4	3.0	X103	
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	X103	Weight = 300 g 
VHFD 29-12io1	1200	400										
VHFD 29-14io1	1400	440										
VHFD 29-16io1	1600	500										
VHFD 37-08io1	800	250	36	85	320	0.85	13	125	1.2	1.55	X103	
VHFD 37-12io1	1200	400										
VHFD 37-14io1	1400	440										
VHFD 37-16io1	1600	500										

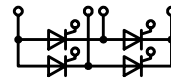
1~ Rectifier Bridges


1~Half Controlled Rectifier Bridge, B2HK



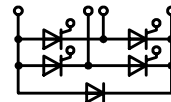
Type	V_{RRM}	V_{VRMS}	$I_{dAV} @ T_C$		I_{FSM} 45°C 10 ms A	V_{T0}	r_T	T_{VJM}	$R_{thJC} R_{thJH}$ per Chip		Fig. No.	Package style Outline drawings on page 188 - 224
	V	V	A	°C					K/W	K/W		
VHO 55-08io7	800	250	53	85	550	0.85	11	125	0.9	1.1	X118a	X101 Weight = 19 g  See data sheet for pin arrangement
VHO 55-12io7	1200	400										
VHO 55-14io7	1400	440										
VHO 55-16io7	1600	500										

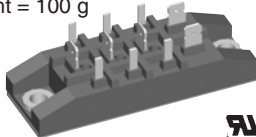
1~ Full Controlled Rectifier Bridge, B2C



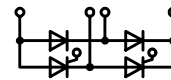
VKO 55-08io7	800	250	53	85	550	0.85	11	125	0.9	1.1	X118a	X106a Weight = 28 g 
VKO 55-12io7	1200	400										
VKO 55-14io7	1400	440										
VKO 55-16io7	1600	500										


1~ Full Controlled Rectifier Bridge, B2CF



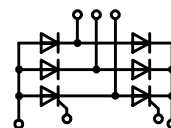
VKF 55-08io7	800	250	53	85	550	0.85	11	125	0.9	1.1	X118a	X118a Weight = 100 g 
VKF 55-12io7	1200	400										
VKF 55-14io7	1400	440										
VKF 55-16io7	1600	500										

1~ Half Controlled Rectifier Bridge, B2HZ



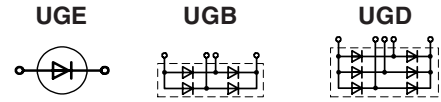
VGO 36-08io7	800	250	36	85	320	0.85	13	125	1.4	2.0	X101	
VGO 36-12io7	1200	400										
VGO 36-14io7	1400	440										
VGO 36-16io7	1600	500										
VGO 55-08io7	800	250	53	85	550	0.85	11	125	0.9	1.1	X118a	
VGO 55-12io7	1200	400										
VGO 55-14io7	1400	440										
VGO 55-16io7	1600	500										

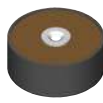
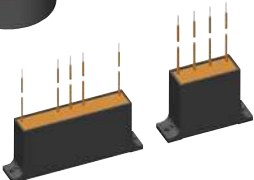
Thyristor Module



VVY 40-16io1	1600	500	34	100	320	0.85	15	125	1.0	1.6	X106a
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1~ / 3~ High Voltage Rectifier Modules



Type	V _{RRM} V	I _{dAV} ① / ② A	I _{FSM} 45°C 10 ms A	V _{T0} V	r _T mΩ	T _{VJM} °C	R _{thJA1} ① K/W	R _{thJA2} ② K/W	Package style
Outline drawings on page 188 - 224									
UGE 0421 AY4	3200	23/7.4	300	1.7	16	150	1.9	7.1	X251 Weight = 130 g 
UGE 0221 AY4	4800	10/3.8	180	2.55	90	150	1.7	8.0	
UGE 1112 AY4	8000	4.2/2.0	120	4.25	215	150	4.2	10.0	
UGE 3126 AY4	24000	2.0/0.8	70	12	1800	150	2.7	8.7	
UGB 3132 AD	4800	1.3	60	-	-	150	-	-	X252 Weight = 150 g X253 Weight = 300 g X253 X253 
UGB 6124 AG	10500	1.0	50	-	-	150	-	-	
UGD 6123 AG	7200	1.8	50	-	-	150	-	-	
UGD 8124 AG	10500	1.2	50	-	-	150	-	-	

Data according to IEC 60747-2/6

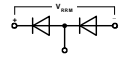
① for oil-cooling with cooling plate, T_A = 35°C

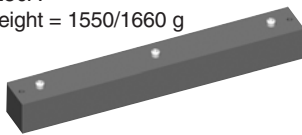
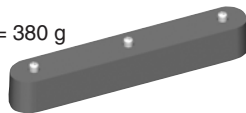
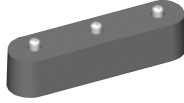
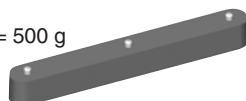
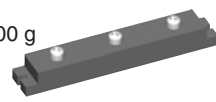
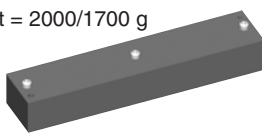
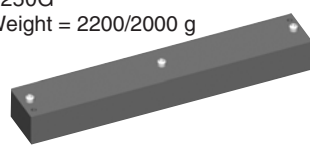
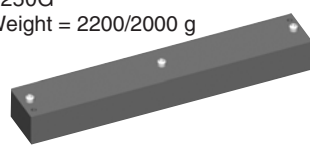
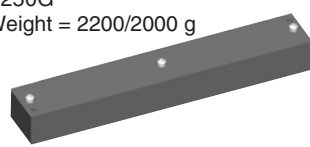
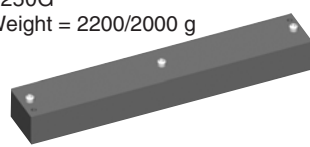
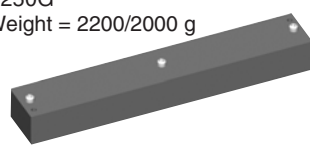
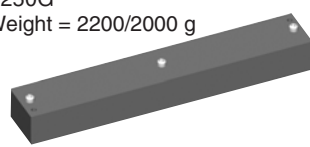
② for natural air cooling without cooling plate, T_A = 45°C

High Voltage Rectifiers

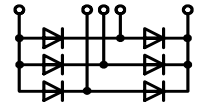
Diode Assembly Range

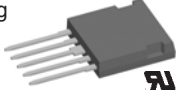
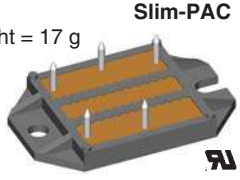
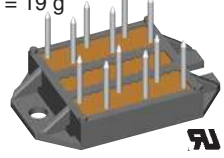
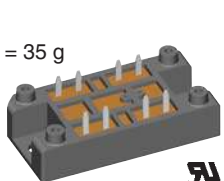
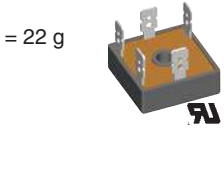

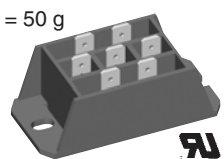
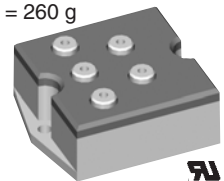
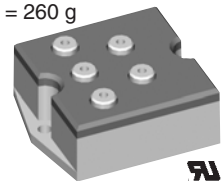
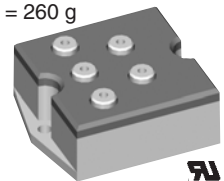
HTZ



Type ▶ New	V _{RRM} V	I _{F(AV)} A	@ T _A °C	I _{FSM} A	I _{RM} @ T _{VJM} mA	T _{VJ} °C	V _{FM} V	@ I _{FM} A	Fig. No.	Package style
Outline drawings on page 188 - 224										
HTZ110A16K	16000	3.5	35	200	0.5	150	18.3	12	X250A	X250A Weight = 1550/1660 g 
HTZ110A19K	19000									
HTZ110A22K	22000									
HTZ110A25K	25000									
HTZ120A32K	32000	2.0	35	200	0.5	150	36.8	12	X250A	X250B Weight = 380 g 
HTZ120A38K	30000									
HTZ120A44K	44000									
HTZ120A51K	51000									
HTZ130B24K	24000	1.0	35	100	0.5	150	24.0	2.0	X250B	X250C Weight = 240/260/280 g 
HTZ130B28K	28000									
HTZ130B33K	33000									
HTZ130B38K	38000									
HTZ150C6K	6000	3.0	35	100	0.5	150	6.0	2.0	X250C	X250D Weight = 500 g 
HTZ150C7K	7200									
HTZ150C8K	8400									
HTZ150C9K	9600									
HTZ160C12K	12000	1.7	35	100	0.5	150	12.0	2.0	X250C	X250E Weight = 200 g 
HTZ160C14K	14400									
HTZ160C17K	16800									
HTZ160C19K	19200									
HTZ170C2K	2000	10.0	35	1000	0.5	150	1.9	40	X250C	X250F Weight = 2000/1700 g 
HTZ170C2.4K	2400									
HTZ170C2.8K	2800									
HTZ180D22K	22000	1.3	35	100	0.5	150	22.0	2.0	X250D	X250G Weight = 2200/2000 g 
HTZ180D26K	26000									
HTZ180D30K	30000									
HTZ180D35K	35000									
HTZ240F10K	10000	1.7	35	100	0.5	150	10.0	2.0	X250E	X250G Weight = 2200/2000 g 
HTZ240F12K	12000									
HTZ240F14K	14000									
HTZ240F16K	16000									
HTZ250G28K	28000	2.7	35	200	0.5	150	32.0	12	X250F	X250G Weight = 2200/2000 g 
HTZ250G33K	33600									
HTZ250G39K	39200									
HTZ250G44K	44800									
HTZ260G14K	14000	4.7	35	200	0.5	150	16.0	12	X250F	X250G Weight = 2200/2000 g 
HTZ260G16K	16000									
HTZ260G19K	19000									
HTZ260G22K	22000									
HTZ270H40K	40000	3.4	35	200	0.5	150	46.0	12	X250G	X250G Weight = 2200/2000 g 
HTZ270H48K	48000									
HTZ270H56K	56000									
HTZ270H64K	64000									
HTZ280H20K	20000	4.7	35	200	0.5	150	23.0	12	X250G	X250G Weight = 2200/2000 g 
HTZ280H24K	24000									
HTZ280H28K	28000									
HTZ280H32K	32000									

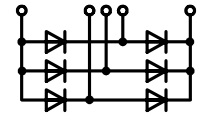
3~ Rectifier Bridges, B6U

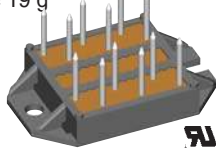
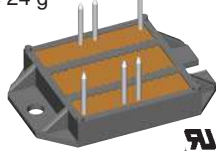
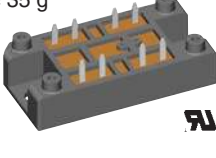
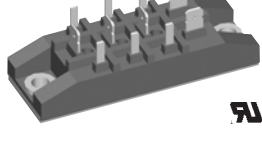
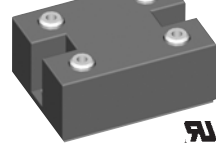

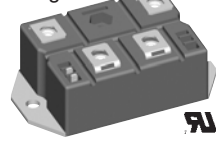


Type	V _{RRM}	V _{VRMS}	I _{dAV}	T _C	I _{FSM} 45°C 10 ms	V _{TO}	r _T	T _{VJM}	R _{thJC} per Chip	R _{thJH}	Fig. No.	Package style
► New	V	V	A	°C	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224
VUO 16-08NO1 VUO 16-12NO1 VUO 16-14NO1 VUO 16-16NO1 VUO 16-18NO1	800 1200 1400 1600 1800	250 400 440 500 575	15	90	100	0.8	50	130	-	4.5	X103	X024a ISOPLUS i4-PAC™ Weight = 6 g 
FUO 22-12N FUO 22-16N	1200 1600	400 500	27	90	100	0.83	28	150	4	5	X024a	X100 Slim-PAC Weight = 17 g 
VUO 22-08NO1 VUO 22-12NO1 VUO 22-14NO1 VUO 22-16NO1 VUO 22-18NO1	800 1200 1400 1600 1800	250 400 440 500 575	22	90	100	0.8	40	130	-	3.1	X103	 See data sheet for pin arrangement
VUO 25-08NO8 VUO 25-12NO8 VUO 25-14NO8 VUO 25-16NO8 VUO 25-18NO8	800 1200 1400 1600 1800	250 400 440 500 575	20	85	380	0.85	12	150	9.3	10.2	X116b	X101 ECO-PAC 1 Weight = 19 g 
VUO 27-08NO7 VUO 27-12NO7	800 1200	250 400	28	100	100	0.8	40	150	2.3	2.8	X100	 See data sheet for pin arrangement
VUO 28-08NO7 VUO 28-12NO7	800 1200	250 400	28	100	100	0.8	40	150	2.3	2.8	X101	 See data sheet for pin arrangement
VUO 36-08NO8 VUO 36-12NO8 VUO 36-14NO8 VUO 36-16NO8 VUO 36-18NO8	800 1200 1400 1600 1800	250 400 440 500 575	27	85	550	0.8	7.4	150	7.5	8.4	X116b	X103 Weight = 35 g 
VUO 34-08NO1 VUO 34-12NO1 VUO 34-14NO1 VUO 34-16NO1 VUO 34-18NO1	800 1200 1400 1600 1800	250 400 440 500 575	36	90	300	0.8	15	130	-	2.5	X103	X116b Weight = 22 g 
VUO 30-08NO3 VUO 30-12NO3 VUO 30-14NO3 VUO 30-16NO3 VUO 30-18NO3	800 1200 1400 1600 1800	250 400 440 500 575	37	85	300	0.9	11	125	2.4	3.0	X117b	X117b Weight = 50 g 
VUO 35-08NO7 VUO 35-12NO7 VUO 35-14NO7 VUO 35-16NO7 VUO 35-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	38	85	400	0.85	12	150	4.2	4.8	X119	X120 Weight = 260 g 
FUO 50-16N	1600	500	50	90	200	tbd	tbd	150	2.1	3.2	X024a	
VUO 52-08NO1 VUO 52-12NO1 VUO 52-14NO1 VUO 52-16NO1 VUO 52-18NO1 VUO 52-20NO1	800 1200 1400 1600 1800	250 400 440 500 575	54	90	350	0.8	12.5	130	-	1.5	X103	X119 Weight = 135 g 
VUO 50-08NO3 VUO 50-12NO3 VUO 50-14NO3 VUO 50-16NO3 VUO 50-18NO3	800 1200 1400 1600 1800	250 400 440 500 575	58	85	500	0.9	6	125	1.62	2.22	X117b	X120 Weight = 260 g 
VUO 55-12NO7 VUO 55-14NO7 VUO 55-16NO7 VUO 55-18NO7	1200 1400 1600 1800	400 440 500 575	58	85	750	0.85	8	150	2.7	3.06	X120	
VUO 60-12NO3 VUO 60-14NO3 VUO 60-16NO3 VUO 60-18NO3	800 1400 1600 1800	250 440 500 575	72	85	600	0.8	6.5	125	1.2	1.6	X117b	

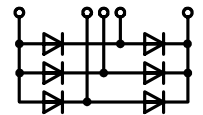
Data according to IEC 60747 and refer to a single diode or thyristor unless otherwise stated.

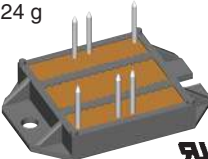
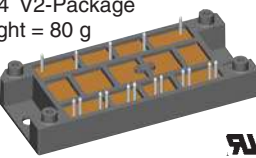
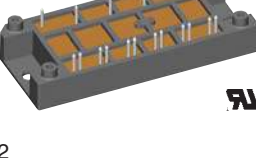
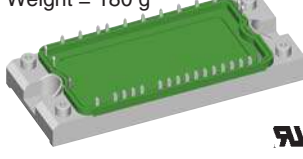
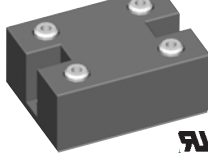
3~ Rectifier Bridges, B6U



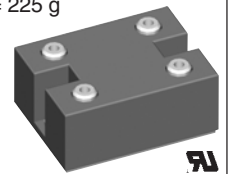
Type	V _{RRM}	V _{VRMS}	I _{dAV}	T _C	I _{FSM} 45°C 10 ms	V _{T0}	r _T	T _{VJM}	R _{thJC} per Chip	R _{thJH}	Fig. No.	Package style
► New	V	V	A	°C	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224
VUO 62-08NO7 VUO 62-12NO7 VUO 62-14NO7 VUO 62-16NO7 VUO 62-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	63	110	550	0.8	8	150	1.45	1.87	X122	X101 Weight = 19 g  See data sheet for pin arrangement
VUO 68-08NO7 VUO 68-12NO7 VUO 68-14NO7 VUO 68-16NO7	800 1200 1400 1600	250 400 440 500	68	100	300	0.8	13	150	1.1	1.6	X101	X102 Weight = 24 g  See data sheet for pin arrangement
VUO 70-08NO7 VUO 70-12NO7 VUO 70-14NO7 VUO 70-16NO7	800 1200 1400 1600	250 400 440 500	70	100	550	0.8	8	150	1.45	1.9	X118a	X103 Weight = 35 g  See data sheet for pin arrangement
VUO 80-08NO1 VUO 80-12NO1 VUO 80-14NO1 VUO 80-16NO1 VUO 80-18NO1	800 1200 1400 1600 1800	250 400 440 500 575	82 T _H = 90°C		600	0.8	7.5	150	-	1.42	X103	X103 Weight = 100 g  See data sheet for pin arrangement
VUO 82-08NO7 VUO 82-12NO7 VUO 82-14NO7 VUO 82-16NO7 VUO 82-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	88	110	750	0.8	5	150	1.1	1.52	X122	X118a Weight = 225 g 
VUO 85-08NO7 VUO 85-12NO7 VUO 85-14NO7 VUO 85-16NO7	800 1200 1400 1600	250 400 440 500	85	100	750	0.8	6	150	1.3	1.6	X118a	X121 Weight = 160 g 
VUO 86-08NO7 VUO 86-12NO7 VUO 86-14NO7 VUO 86-16NO7	600 1200 1400 1600	125 400 440 500	86	90	530	0.8	7.5	150	1.2	1.5	X101	X123a Weight = 300 g 
VUO 98-08NO7 VUO 98-12NO7 VUO 98-14NO7 VUO 98-16NO7	800 1200 1400 1600	250 400 440 500	95	85	750	0.8	6	150	1.2	1.5	X102	
VUO 100-08NO7 VUO 100-12NO7 VUO 100-14NO7 VUO 100-16NO7	800 1200 1400 1600	250 400 440 500	100	100	1000	0.8	5	150	1.12	1.5	X118a	
VUO 105-12NO7 VUO 105-14NO7 VUO 105-16NO7 VUO 105-18NO7	1200 1400 1600 1800	400 440 500 575	140	85	1500	0.8	5	150	0.83	1.13	X121	
VUO 110-08NO7 VUO 110-12NO7 VUO 110-14NO7 VUO 110-16NO7 VUO 110-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	127	110	1200	0.8	4	150	0.90	1.08	X123a	

3~ Rectifier Bridges, B6U



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	R _{thJH}	Fig. No.	Package style	
► New	V	V	A	°C	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224	
VUO 120-12NO1 VUO 120-16NO1	1200 1600	1200 1600	121	75	650	0.8	6.1	150	1.0	1.3	X104	<p>ECO-PAC 2</p> <p>Weight = 24 g</p>  <p>See data sheet for pin arrangement</p>	
VUO 121-16NO1	1600	575	118	100	650	0.8	5	150	0.8	0.9	X112		
VUO 122-08NO7 VUO 122-12NO7 VUO 122-14NO7 VUO 122-16NO7 VUO 122-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	117	100	900	0.8	4	150	0.85	1.15	X102		
VUO 155-12NO1 VUO 155-16NO1	1200 1600	1200 1600	157	75	850	0.75	4.6	150	0.8	1.1	X104		<p>X104 V2-Package</p> <p>Weight = 80 g</p> 
VUO 160-08NO7 VUO 160-12NO7 VUO 160-14NO7 VUO 160-16NO7 VUO 160-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	175	90	1800	0.8	3	150	0.65	0.83	X123a		
VUO 125-12NO7 VUO 125-14NO7 VUO 125-16NO7 VUO 125-18NO7	1200 1400 1600 1800	400 440 500 575	166	85	1800	0.8	3	150	0.83	1.13	X121		<p>X112</p> <p>Weight = 180 g</p> 
VUO 190-08NO7 VUO 190-12NO7 VUO 190-14NO7 VUO 190-16NO7 VUO 190-18NO7	800 1200 1400 1600 1800	250 400 440 500 575	248	110	2800	0.8	2.2	150	0.45	0.6	X123a		

X121
Weight = 225 g

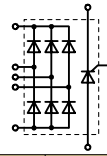


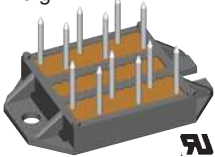
X123a
Weight = 300 g



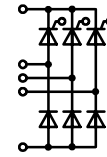
3~ Rectifier Bridges


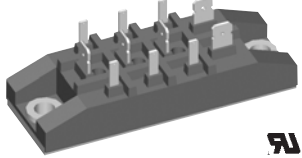

3~ Rectifier Bridges with Fast Diodes ($t_{rr} = 1.5 \mu s$) and Integrated Softstart Thyristor



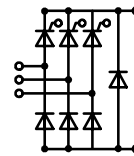
Type	V_{RRM}	V_{VRMS}	I_{dAVM}	T_H	I_{FSM} 45°C 10 ms	V_{TO}	r_T	T_{VJM}	R_{thJC} per Chip		Fig. No.	Package style Outline drawings on page 188 - 224
	V	V	A	°C		V	mΩ	°C	K/W	K/W		
VUC 25-12go2	1200	400	25	85	300	1.2	18	125	2.3	2.9	X106	ECO-PAC 1 Weight = 19 g  See data sheet for pin arrangement
VUC 25-14go2	1400	440							0.9	1.1		
VUC 25-16go2	1600	500				330	1.1	11	125	0.9		
VUC 36-12go2	1200	400	34	85	300	1.2	16	125	1.4	2.0	X106	
VUC 36-14go2	1400	440							0.9	1.1		
VUC 36-16go2	1600	500				400	0.85	10	125	0.9		

3~ Half Controlled Rectifier Bridges, B6HK



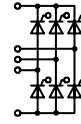
Type	V_{RRM}	V_{VRMS}	I_{dAV}	T_H	I_{FSM} 45°C 10 ms	V_{TO}	r_T	T_{VJM}	R_{thJC} per Chip		Fig. No.	Package style Outline drawings on page 188 - 224			
	V	V	A	°C		V	mΩ	°C	K/W	K/W					
► New VVZ 12-12io1 VVZ 12-14io1 VVZ 12-16io1	1200 1400 1600	400 440 500	15	100	110	1.1	30	125	2.5	3.1	X106a	X106a Weight = 28 g 			
VVZ 24-12io1 VVZ 24-14io1 VVZ 24-16io1	1200 1400 1600	400 440 500	21	100		300	1.0	16	125	2.1			2.7		
VVZ 39-08ho7 VVZ 39-12ho7	800 1200	250 400	39	85		200	0.85	27	125	1.3			1.8	X101	
VVZ 40-12io1 VVZ 40-14io1 VVZ 40-16io1	1200 1400 1600	400 440 500	34	85	320	0.85	15	125	1.0	1.6	X106a				
VVZ 70-08io7 VVZ 70-12io7 VVZ 70-14io7 VVZ 70-16io7	800 1200 1400 1600	250 400 440 500	70	85		550	0.85	11	125	0.9			1.1	X118a	X118a Weight = 100 g 
VVZ 110-12io7 VVZ 110-14io7	1200 1400	400 440	110	85		1150	0.85	6	125	0.65			0.80	X123b	
VVZ 175-12io7 VVZ 175-14io7 VVZ 175-16io7	1200 1400 1600	400 440 500	167	85	1500	0.85	3.5	125	0.46	0.55	X123b	X123b Weight = 300 g 			

3~ Half Controlled Rectifier Bridges with free wheeling diode, B6HKF



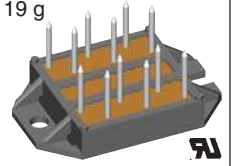
Type	V_{RRM}	V_{VRMS}	I_{dAV}	T_C	I_{FSM} 45°C 10 ms	V_{TO}	r_T	T_{VJM}	R_{thJC} per Chip		Fig. No.	Package style Outline drawings on page 188 - 224	
	V	V	A	°C		V	mΩ	°C	K/W	K/W			
VVZF 70-08io7 VVZF 70-12io7 VVZF 70-14io7 VVZF 70-16io7	800 1200 1400 1600	250 400 440 500	70	85	550	0.85	11	125	0.9	1.1	X118a		

3~ Rectifier Bridges

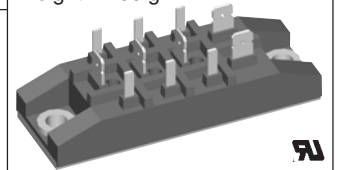


3~ Full Controlled Rectifier Bridges, B6C

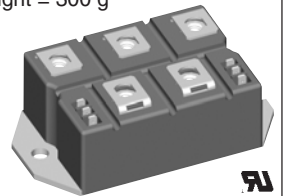
Type	V _{RRM}	V _{VRMS}	I _{dAV} T _c =100°C	I _{TSM} 45°C 10 ms	V _{T0}	r _T	T _{VJM}	R _{thJC} per Chip	R _{thJH}	Fig. No.	Package style
► New	V	V	A	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224
VTO 39-08ho7	800	250	39	200	0.85	27	125	1.3	1.8	X101	X101 ECO-PAC 1 Weight = 19 g
VTO 39-12ho7	1200	400	T _c = 85°C								
VTO 70-08io7	800	250	70	550	0.85	11	125	0.9	1.1	X118a	X118a Weight = 100 g
VTO 70-12io7	1200	400	T _c = 85°C								
VTO 70-14io7	1400	440									
VTO 70-16io7	1600	500									
VTO 110-12io7	1200	400	110	1150	0.85	6	125	0.65	0.80	X123b	X123b Weight = 300 g
VTO 110-14io7	1400	440									
VTO 175-12io7	1200	400	167	1500	0.85	3.5	125	0.46	0.55		
VTO 175-14io7	1400	440									
VTO 175-16io7	1600	500									



See data sheet for pin arrangement

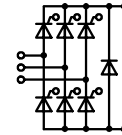


X118a
Weight = 100 g



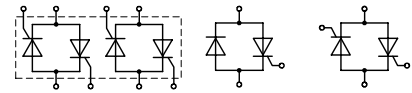
X123b
Weight = 300 g

3~ Full Controlled Rectifier Bridge with free wheeling diode, B6CF



VTOF 70-08io7	800	250	70	550	0.85	11	125	0.9	1.1	X118a
VTOF 70-12io7	1200	400	T _c = 85°C							
VTOF 70-14io7	1400	440								
VTOF 70-16io7	1600	500								

AC Controller 1~ / 2~ / 3~



VW 2x...

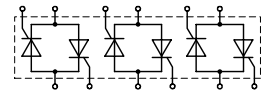
MLO

MMO

$I_{RMS} = 30 - 230 \text{ A}$

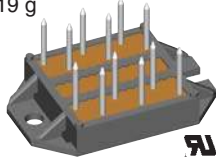
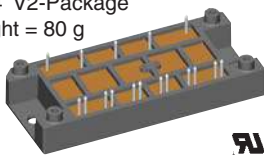
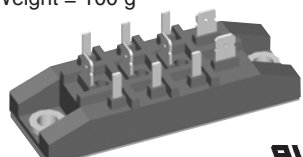

Type	V_{RRM}	V_{VRMS}	I_{RMS} $T_c = 85^\circ\text{C}$	I_{TSM} 45°C 10 ms	V_{T0}	r_T	T_{VJM}	R_{thJC} per Chip	R_{thJH}	Fig. No.	Package style
► New	V	V	A	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224
MLO 36-12io1 MLO 36-16io1	1200 1600	400 500	39	360	0.85	15	125	1.3	1.5	X106b	X027a Weight = 30 g SOT-227B miniBLOC
MLO 75-12io1 MLO 75-16io1	1200 1600	400 500	86	1150	0.85	5	125	0.55	0.75		
MLO 110-08io7 MLO 110-12io7 MLO 110-14io7	800 1200 1400	250 400 440	112	1000	0.85	5.6	150	0.8	0.92	X101	 ECO-PAC 1
MLO 140-08io7 MLO 140-12io7 MLO 140-16io7	800 1200 1600	250 400 500	130	1150	0.85	5.2	150	0.7	0.82		
MLO 175-08io7 MLO 175-12io7 MLO 175-16io7	800 1200 1600	250 400 500	175	1500	0.85	3.7	150	0.5	0.62	X101 Weight = 19 g	
MLO 230-08io7 MLO 230-12io7 MLO 230-14io7 MLO 230-16io7 MLO 230-18io7	800 1200 1400 1600 1800	250 400 440 500 575	230	2250	0.8	2.4	125	0.26	0.46	X102	 See data sheet for pin arrangement
MMO 36-12io1 MMO 36-16io1	1200 1600	400 500	39	360	0.85	15	125	1.3	1.5	X106a	
MMO 75-12io1 MMO 75-16io1	1200 1600	400 500	86	1150	0.85	5	125	0.55	0.75	X102	X102 Weight = 24 g ECO-PAC 2
MMO 62-12io6 MMO 62-16io6	1200 1600	400 500	54 $T_c = 110^\circ\text{C}$	400	0.85	12	125	0.91	1.01	X027a	
MMO 74-12io6 MMO 74-16io6	1200 1600	400 500	74 $T_c = 110^\circ\text{C}$	600	0.85	8.4	150	0.71	0.81		 See data sheet for pin arrangement
MMO 90-12io6 MMO 90-14io6 MMO 90-16io6	1200 1400 1600	400 440 500	90 $T_c = 111^\circ\text{C}$	800	0.9	5.8	150	0.6	0.7		
MMO 110-08io7 MMO 110-12io7 MMO 110-14io7	800 1200 1400	250 400 440	112	1000	0.85	5.6	150	0.8	0.92	X101	X103 Weight = 35 g
MMO 140-08io7 MMO 140-12io7 MMO 140-16io7	800 1200 1600	250 400 500	130	1150	0.85	5.2	150	0.7	0.82		
MMO 175-08io7 MMO 175-12io7 MMO 175-16io7	800 1200 1600	250 400 500	175	1500	0.85	3.7	150	0.5	0.62		
MMO 230-08io7 MMO 230-12io7 MMO 230-14io7 MMO 230-16io7 MMO 230-18io7	800 1200 1400 1600 1800	250 400 440 500 575	230	2250	0.8	2.4	125	0.26	0.46	X102	X106b Weight = 15 g
VW 2x30-08io1 VW 2x30-12io1 VW 2x30-14io1 VW 2x30-16io1	800 1200 1400 1600	250 400 440 500	2x30	200	0.8	25	125	1.7	2.0	X103	
VW 2x45-08io1 VW 2x45-12io1 VW 2x45-14io1 VW 2x45-16io1	800 1200 1400 1600	250 400 440 500	2x45	300	0.85	15	125	1.25	1.55		X106a Weight = 15 g
VW 2x60-08io1 VW 2x60-12io1 VW 2x60-14io1 VW 2x60-16io1	800 1200 1400 1600	250 400 440 500	2x60	520	0.85	11	125	0.92	1.22		

AC Controller 1~ / 2~ / 3~

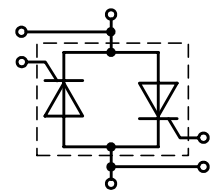


VWO

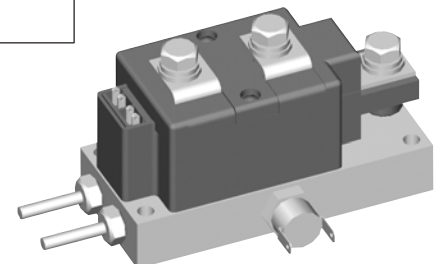
$I_{RMS} = 39 - 143 \text{ A}$

Type	V_{RRM}	V_{VRMS}	I_{RMS} $T_C = 85^\circ\text{C}$	I_{TSM} 45°C 10 ms	V_{T0}	r_T	T_{VJM}	R_{thJC} R_{thJH} per Chip		Fig. No.	Package style
► New	V	V	A	A	V	mΩ	°C	K/W	K/W		Outline drawings on page 188 - 224
VWO 35-08io7 VWO 35-12ho7	800 1200	250 400	3x35	200	0.85	27	125	1.3	1.8	X101	<p>ECO-PAC 1 Weight = 19 g</p>  <p>See data sheet for pin arrangement</p> <p>X104 V2-Package Weight = 80 g</p>  <p>X118a Weight = 100 g</p>  <p>X124 Weight = 180 g</p> 
VWO 36-08io7 VWO 36-12io7 VWO 36-14io7 VWO 36-16io7	800 1200 1400 1600	250 400 440 500	3x39	320	0.85	13	125	1.3	1.5	X118a	
VWO 40-08io7 VWO 40-12io7 VWO 40-14io7 VWO 40-16io7	800 1200 1400 1600	250 400 440 500	3x40	400	0.85	15	125	1.43	1.53	X124	
VWO 50-08io7 VWO 50-12io7 VWO 50-14io7 VWO 50-16io7	800 1200 1400 1600	250 400 440 500	3x50	520	0.85	11	125	1.2	1.31	X124	
VWO 60-08io7 VWO 60-12io7 VWO 60-14io7 VWO 60-16io7	800 1200 1400 1600	250 400 440 500	3x60	550	0.85	11	125	0.9	1.1	X118a	
VWO 85-08io1 VWO 85-12io1 VWO 85-14io1 VWO 85-16io1	800 1200 1400 1600	250 400 440 500	3x83	520	0.85	11	150	0.92	1.22	X104	
VWO 80-08io7 VWO 80-12io7 VWO 80-14io7	800 1200 1400	250 400 440	3x82	1000	0.85	5.2	125	0.81	1.0	X124	
VWO 95-08io7 VWO 95-12io7 VWO 95-14io7	800 1200 1400	250 400 440	3x96	1150	0.85	4.8	125	0.66	0.93	X124	
VWO 140-08io1 VWO 140-12io1 VWO 140-14io1 VWO 140-16io1	800 1200 1400 1600	250 400 440 500	3x143	1150	0.85	5.2	150	0.6	0.7	X104	

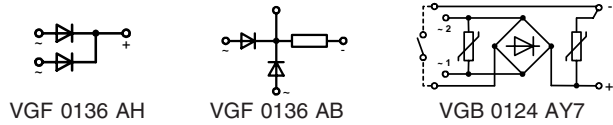
1~ AC Controller with isolated Water Cooling



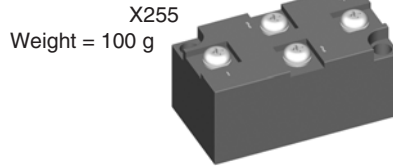
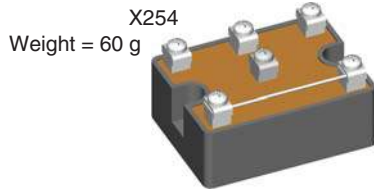
Type	V_{RRM}	V_{VRMS}	I_{RMS} $T_{water}=17^\circ\text{C}$ 4l/min	I_{TSM} 45°C 10 ms	V_{T0}	r_T	T_{VJM}	R_{thJW} per Chip 4l/min	Package style
	V	V	A	A	V	mΩ	°C	K/W	Outline drawings on page 188 - 224
HVL 900-12io1 HVL 900-14io1 HVL 900-16io1 HVL 900-18io1	1200 1400 1600 1800	400 440 500 590	900	9200	0.8	0.68	140	0.203	X133 Weight = 1300 g



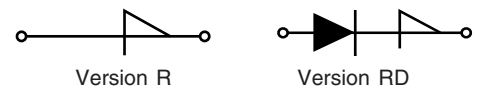
Braking Rectifier Assemblies



Type	Typical				Max.			Fig. No.	Package style Outline drawings on page 188 - 224
	V_{VRMS} V	V_{dAV} V	I_{dAVM} A	I_{dAVM} A	V_{RRM} V	I_{FSM} A	I^2t A ² s		
VGB 0124 AY7a	380	340	1.0	1.0	1400	60	28	X254	X256 Weight = 50 g
VGF 0136 AB	1000	440	1.2	1.5	2800	80	40	X255	
VGF 0136 AH	1000	440	0.6	1.1	1400	60	28	X256	

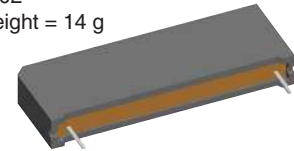
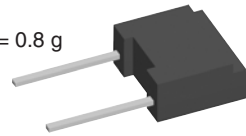


Breakover Diodes



Type	V_{BO} V	I_{BO} $T_{VJ} = 25^\circ\text{C}$ mA	I_D 125 °C μA	I_H $T_J = 25^\circ\text{C}$ mA	V_H $T_{VJ} = 25^\circ\text{C}$ V	I_{AVM} ① 50 °C A	I_{SM} 50 °C A	dv/dt V/ μs	R_{thJA} $^\circ\text{C/W}$	Fig. No.	Package style Outline drawings on page 188 - 224
► New	V										
IXBOD 1-06	600 ±50	≤15	20	30	4-8	0.9	200	>1000	60	X201	X201 Weight = 0.8 g
IXBOD 1-07	700		0.8 x V_{BO}								
IXBOD 1-08	800										
IXBOD 1-09	900										
IXBOD 1-10	1000										
IXBOD 1-12 R(D)	1200 ±50	≤15	100	30	4-8	1.25	200	>1000	20	X202	
IXBOD 1-13 R(D)	1300		0.8x V_{BO}								
IXBOD 1-14 R(D)	1400										
IXBOD 1-15 R(D)	1500										
IXBOD 1-16 R(D)	1600 ±50	≤15		100	30	4-8	1.25	200	>1500	20	
IXBOD 1-17 R(D)	1700										
IXBOD 1-18 R(D)	1800										
IXBOD 1-19 R(D)	1900										
IXBOD 1-20 R(D)	2000 ±50	≤15	100	30	4-8	0.9	200	>1500	20		
IXBOD 1-21 R(D)	2100 ±50	≤15	100	30	4-8	0.9	200	>2000	20		
IXBOD 1-22 R(D)	2200										
IXBOD 1-23 R(D)	2300										
IXBOD 1-24 R(D)	2400										
IXBOD 1-25 R(D)	2500										
IXBOD 1-26 R(D)	2600 ±100	≤15	100	30	4-8	0.7	200	>2500	20		
IXBOD 1-28 R(D)	2800										
IXBOD 1-30 R(D)	3000										
IXBOD 1-32 R(D)	3200 ±100	≤15	100	30	4-8	0.7	200	>3000	20		
IXBOD 1-34 R	3400										
IXBOD 1-36 R	3600 ±100	≤15	100	30	4-8	0.7	200	>3500	20		
IXBOD 1-38 R	3800										
IXBOD 1-40 R	4000										
IXBOD 1-42 R	4200										

① Leads soldered on PCB board, T_s and $T_{VJ} = -40 \dots +125^\circ\text{C}$



Break-Over-Diodes Sets

We deliver also:

- Special selection of more than 2 pcs IXBOD1-... for every break down voltage of $V_{BO} > 2000$ V

- Example

type designation IXBOD Set SA05/00
 $V_{BO} = 4700$ V ±100 V
 (we deliver 5pcs single selected IXBOD1-... in one plastic bag)
 Customer use these products on PCB connected in series with parallel resistor $R = 10$ M Ω
 across each IXBOD

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Мы работаем только с юридическими лицами(организациями) и ИП и только по безналичному расчёту.
каталог, описание, технические, характеристики, datasheet, параметры, маркировка,габариты, фото , мост, выпрямитель



Выпрямитель, Минск

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