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Мост, диодный, трёхфазный, однофазный, мостовой, выпрямитель, корпус, dbi, DB, B6U, SIL-5 каталог, описание, технические, характеристики, datasheet, параметры, маркировка, габариты, фото, даташит,

 <p>Диодные мосты однофазные KBPC</p>	 <p>Диодные мосты однофазные QL</p>	 <p>Диодные мосты трёхфазные SQL</p>	 <p>Диодные мосты однофазные MDQ</p>
 <p>Диодные мосты трёхфазные MDE</p>	 <p>Диодные мосты однофазные DF10M</p>	<p>Минск www.fotorele.net www.tiristor.by email minsk17@tut.by tel.+375447584780 и другие, радиодетали, электронные компоненты каталог, описание, технические, характеристики, datasheet, параметры, маркировка, габариты, фото, аналог, замена смотрите ниже</p>	



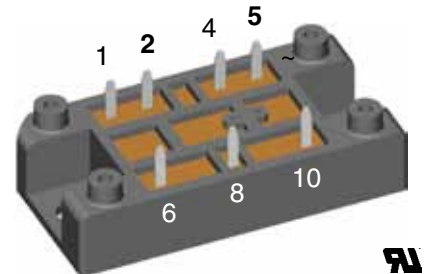
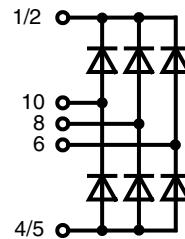
QR код

Three Phase Rectifier Bridge

$$I_{dAV} = 55 \text{ A}$$

$$V_{RRM} = 800\text{-}2200 \text{ V}$$

$V_{RSM/DSM}$ V	$V_{RRM/DRM}$ V	Type
900	800	VUO 52-08NO1
1300	1200	VUO 52-12NO1
1500	1400	VUO 52-14NO1
1700	1600	VUO 52-16NO1
1900	1800	VUO 52-18NO1
2100	2000	VUO 52-20NO1
2200	2300	VUO 52-22NO1



Symbol	Conditions	Maximum Ratings
I_{dAV}	$T_C = 90^\circ\text{C}$, module	54 A
I_{dAV}	$T_A = 45^\circ\text{C}$ ($R_{thKA} = 0.5 \text{ K/W}$), module	43 A
I_{dAVM}	module	55 A
I_{FSM}	$T_{VJ} = 45^\circ\text{C}$; $t = 10 \text{ ms}$ (50 Hz)	350 A
	$V_R = 0$; $t = 8.3 \text{ ms}$ (60 Hz)	375 A
I_{FSM}	$T_{VJ} = T_{VJM}$; $t = 10 \text{ ms}$ (50 Hz)	305 A
	$V_R = 0$; $t = 8.3 \text{ ms}$ (60 Hz)	325 A
I^2t	$T_{VJ} = 45^\circ\text{C}$; $t = 10 \text{ ms}$ (50 Hz)	615 A ² s
	$V_R = 0$; $t = 8.3 \text{ ms}$ (60 Hz)	590 A ² s
I^2t	$T_{VJ} = T_{VJM}$; $t = 10 \text{ ms}$ (50 Hz)	465 A ² s
	$V_R = 0$; $t = 8.3 \text{ ms}$ (60 Hz)	445 A ² s
T_{VJ}		-40...+130 °C
T_{VJM}		130 °C
T_{stg}		-40...+125 °C
V_{ISOL}	50/60 Hz, RMS $t = 1 \text{ min}$	3000 V~
	$I_{ISOL} \leq 1 \text{ mA}$ $t = 1 \text{ s}$	3600 V~
M_d	Mounting torque (M5) (10-32 UNF)	2 - 2.5 Nm
		18 - 22 lb.in.
Weight	Typ.	35 g

Features

- Package with DCB ceramic base plate
- Isolation voltage 3000 V~
- Planar passivated chips
- Blocking voltage up to 2200 V
- Low forward voltage drop
- UL registered E 72873

Applications

- Supplies for DC power equipment
- Input rectifiers for PWM inverter
- Battery DC power supplies
- Field supply for DC motors

Advantages

- Easy to mount with one screw
- Space and weight savings
- Improved temperature & power cycling

Symbol	Conditions	Characteristic Values
I_R	$V_R = V_{RRM}$ $T_{VJ} = 25^\circ\text{C}$	0.3 mA
		$T_{VJ} = T_{VJM}$ 5.0 mA
V_F	$I_F = 55 \text{ A}$ $T_{VJ} = 25^\circ\text{C}$	1.46 V
V_{TO}	For power-loss calculations only	0.8 V
r_t		12.5 mΩ
R_{thJH}	per diode, 120° rect.	1.5 K/W
	per module, 120° rect.	0.25 K/W
d_s	Creeping distance on surface	12.7 mm
d_A	Creepage distance in air	9.4 mm
a	Max. allowable acceleration	50 m/s ²

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

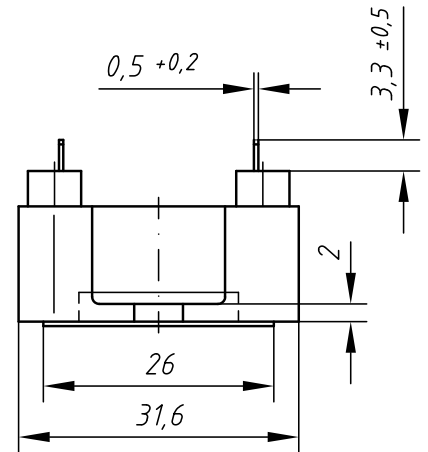
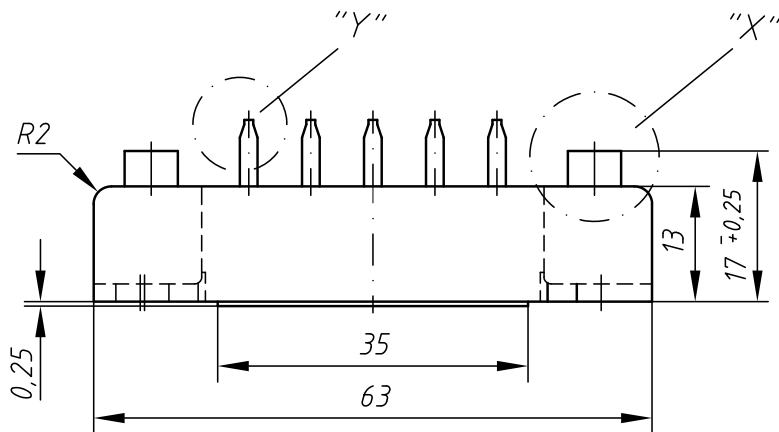
IXYS reserves the right to change limits, test conditions and dimensions.

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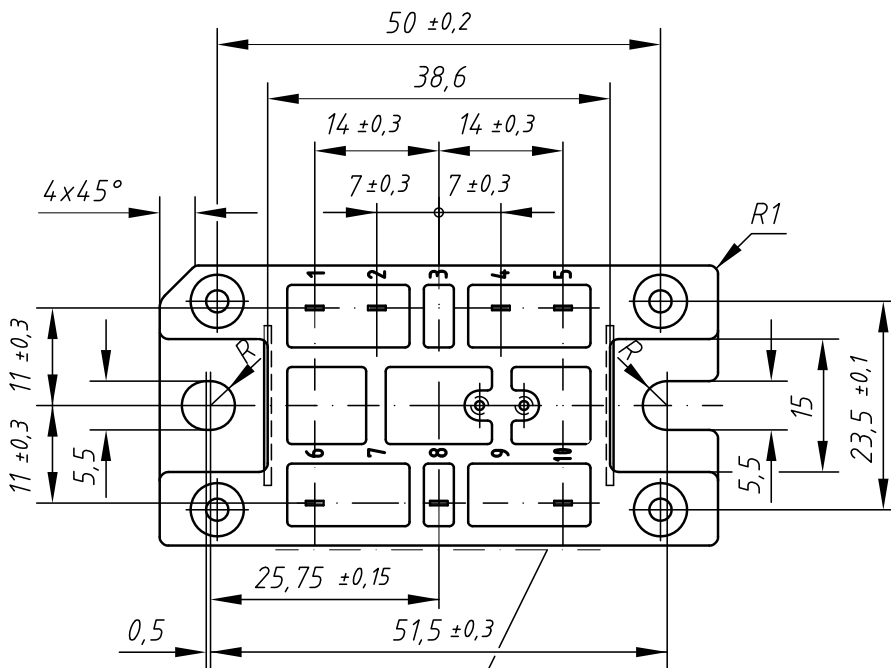
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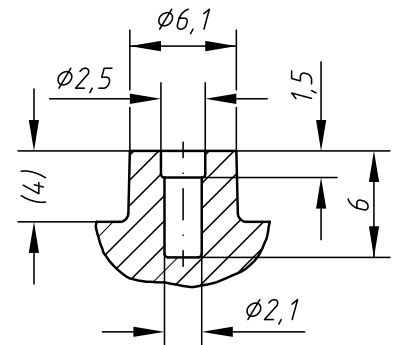
Dimensions in mm (1 mm = 0.0394")



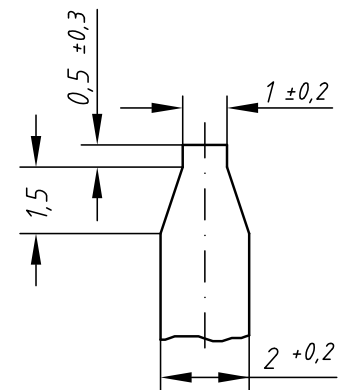
Detail "X" M 2:1



Aufdruck der Typenbezeichnung
Marking on Product



Detail "Y" M 5:1



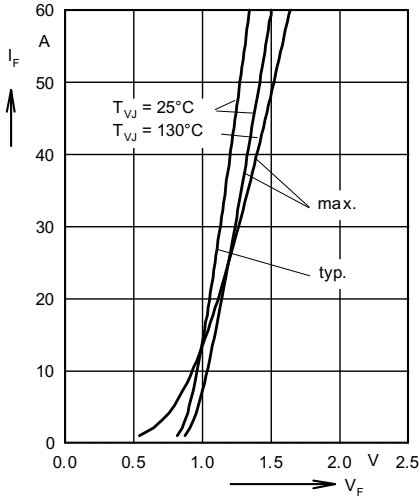


Fig. 1 Forward current versus voltage drop per diode

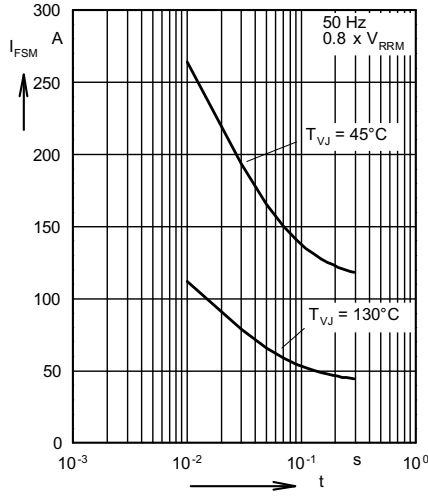


Fig. 2 Surge overload current per diode I_{FSM} : Crest value. t : duration

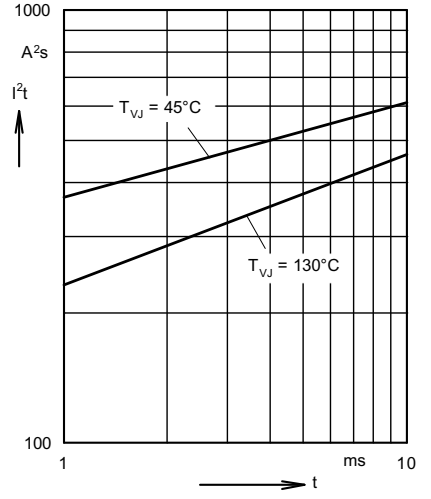


Fig. 3 I^2t versus time (1-10 ms) per diode

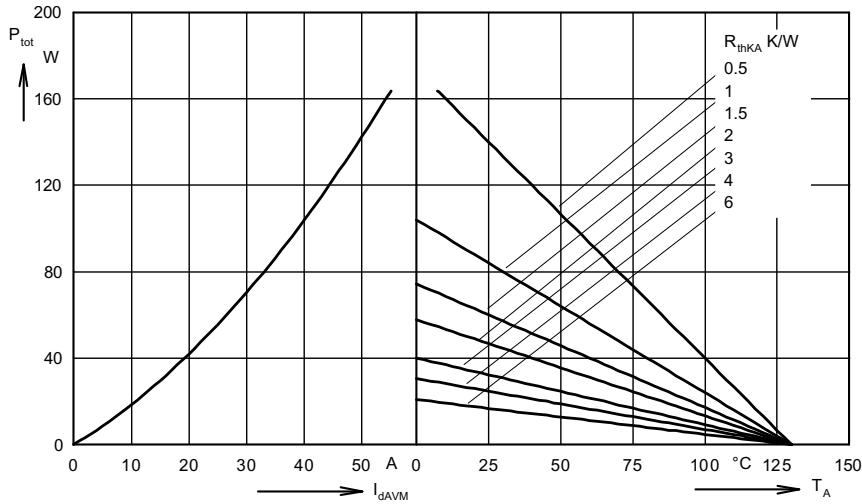


Fig. 4 Power dissipation versus direct output current and ambient temperature

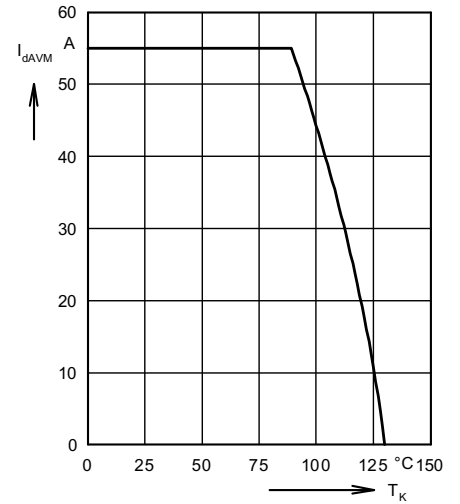


Fig. 5 Maximum forward current at case temperature

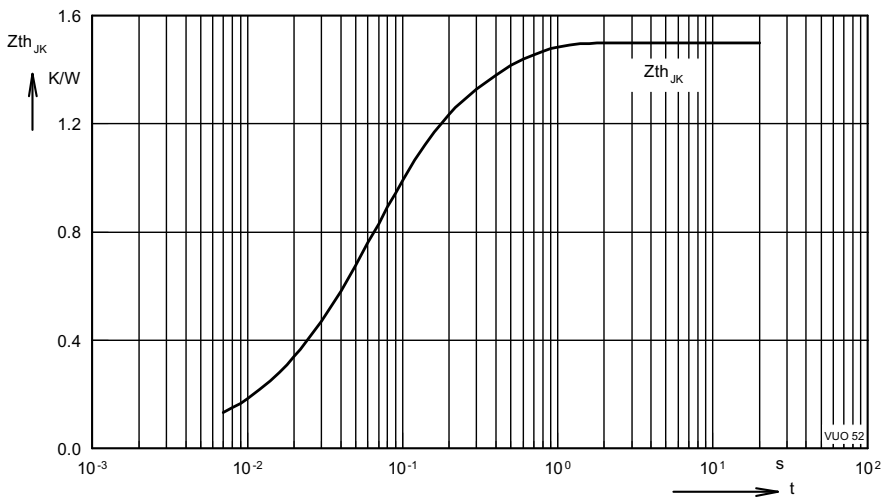


Fig. 6 Transient thermal impedance per diode

Constants for Z_{thJC} calculation:

i	R_{thi} (K/W)	t_i (s)
1	0.005	0.008
2	0.2	0.05
3	0.845	0.06
4	0.45	0.3

DBI 25



V_{RRM}, V_{FRM} V	V_{VRMS} V	$I_0 = 25 \text{ A } (T_c = 32 \text{ }^\circ\text{C})$ Types	C_{oss} μF	$R_{\theta j-c}$ Ω
400	280	DBI 25-04		0,3
800	560	DBI 25-08		0,7
1200	800	DBI 25-12		1
1600	1000	DBI 25-16		1,5
1800	1250	DBI 25-18		1,8

Symbol	Conditions	Values	Units
I_0	$T_a = 46 \text{ }^\circ\text{C}, P1/120, \text{ natural cooling}$	17	A
	$T_a = 46 \text{ }^\circ\text{C}, \text{ chassis}^{(2)}$	11	A
I_{0CL}	$T_a = 46 \text{ }^\circ\text{C}, P1/120, \text{ natural cooling}$	17	A
	$T_a = 46 \text{ }^\circ\text{C}, \text{ chassis}^{(2)}$	11	A
	$T_a = 45 \text{ }^\circ\text{C}, \text{ isolated}^{(1)}$	2,9	A
I_{RSM}	$T_{cl} = 25 \text{ }^\circ\text{C}, 10 \text{ ms}$	370	A
	$T_{cl} = 150 \text{ }^\circ\text{C}, 10 \text{ ms}$	310	A

Power Bridge Rectifiers

DBI 25

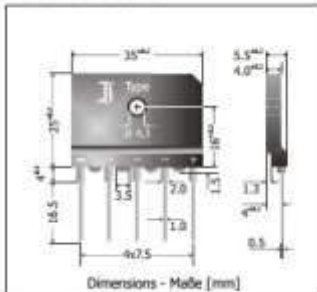
DBI25-04A ... DBI25-16A



DBI25-04A ... DBI25-16A

Three-Phase Si-Bridge-Rectifiers
Dreiphasen-Si-Brückengleichrichter

Version 2013-06-26



Nominal current 40 A (85°C)
Nennstrom 25 A (115°C)
Repetitive peak reverse voltage 400...1600 V
Periodische Spitzenspannung
Plastic case – Plastikgehäuse 35 x 25 x 4 [mm]
Pinning – Anschlussfolge - ~ ~ ~ +
Weight approx. – Gewicht ca. 9 g
Plastic material has UL classification 94V-0
Gehäusematerial UL94V-0 klassifiziert
Standard packaging in tubes
Standard Lieferform in Stangen



QR код

