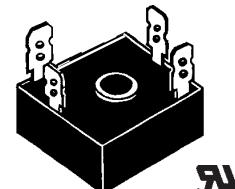
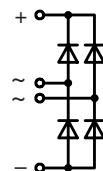


Single Phase Rectifier Bridge

I_{dAVM} = 21 A
V_{RRM} = 800-1800 V

V _{RSM} V	V _{RRM} V	Type
800	800	VBO 22-08NO8
1200	1200	VBO 22-12NO8
1400	1400	VBO 22-14NO8
1600	1600	VBO 22-16NO8
1800	1800	VBO 22-18NO8



Symbol	Conditions	Maximum Ratings			Features
I _{dAV}	T _C = 85°C, module	17	A		• Package with 1/4" fast-on terminals
I _{dAVM}	T _C = 63°C, module	21	A		• Isolation voltage 3000 V~
I _{FSM}	T _{VJ} = 45°C; V _R = 0	380 t = 10 ms (50 Hz), sine 440 t = 8.3 ms (60 Hz), sine	A A		• Planar passivated chips
	T _{VJ} = T _{VJM} V _R = 0	360 t = 10 ms (50 Hz), sine 400 t = 8.3 ms (60 Hz), sine	A A		• Blocking voltage up to 1800 V
I ² t	T _{VJ} = 45°C V _R = 0	725 t = 10 ms (50 Hz), sine 800 t = 8.3 ms (60 Hz), sine	A ² s A ² s		• Low forward voltage drop
	T _{VJ} = T _{VJM} V _R = 0	650 t = 10 ms (50 Hz), sine 650 t = 8.3 ms (60 Hz), sine	A ² s A ² s		• UL registered E 72873
T _{VJ}		-40...+150	°C		
T _{VJM}		150	°C		
T _{stg}		-40...+150	°C		
V _{ISOL}	50/60 Hz, RMS I _{ISOL} ≤ 1 mA	2500 t = 1 min 3000 t = 1 s	V~ V~		
M _d	Mounting torque (M5) (10-32 UNF)	2 ±10% 18 ±10%	Nm lb.in.		
Weight	typ.	22	g		
Symbol	Conditions	Characteristic Values			
I _R	T _{VJ} = 25°C; T _{VJ} = T _{VJM} ;	V _R = V _{RRM} V _R = V _{RRM}	≤ 0.3 ≤ 5.0	mA	
V _F	I _F = 150 A;	T _{VJ} = 25°C	≤ 2.2	V	
V _{T0}	For power-loss calculations only		0.85 12	V mΩ	
r _T					
R _{thJC}	per diode; DC current		8.2	K/W	
	per module		2.05	K/W	
R _{thJK}	per diode; DC current		9.4	K/W	
	per module		2.35	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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