

Features

- Heat Transfer Through Aluminium Oxide Ceramic Isolated Metal Baseplate
- Hard Soldered Joints For High Reliability
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Typical Applications

- Rectifier for drives applications
- Rectifiers for UBS
- Battery chargers

BLOCKING

Symbol	Condition	Ratings	Unit
V_{RRM} V_{RSM}	$T_j = T_j \text{ Max.}$	1800 1900	V
I_{RRM}	At V_{RRM} , Single phase, half wave, $T_j = T_j \text{ Max.}$	20	mA
V_{INS}	50Hz, 1S/1min	3000/2500	V

CONDUCTING

Symbol	Condition	Ratings	Unit
$I_{F(AV)M}$	$T_C = 100^\circ\text{C}$; 180° sine	171	A
$I_{F(RMS)M}$	$T_C = 100^\circ\text{C}$; 180° sine	270	A
I_{FSM}	$T_j = T_j \text{ Max.}$; $t = 10 \text{ ms}$ (50 Hz); sine	5600	A
I^2t	$T_j = T_j \text{ Max.}$; $t = 10 \text{ ms}$ (50 Hz); sine	157	kA ² S
$V_{F(TO)}$	$(I > \pi \times I_{F(AV)})$, $T_j = T_j \text{ Max.}$	0.75	V
r_F	$(I > \pi \times I_{F(AV)})$, $T_j = T_j \text{ Max.}$	0.8	mΩ
V_{FM}	On-State Current 500A, $T_j = T_j \text{ Max.}$	1.26	V

Electrical Characteristics

Symbol	Condition	Ratings	Unit
$R_{th(j-c)}$	Per Module	0.13	°C /W
$R_{th(c-h)}$	Per Module	0.03	°C /W
T_j		-40 ~ + 150	°C
T_{stg}		-40 ~ + 150	°C
M	mounting torque	6	Nm
	terminal torque	6	Nm
W		310	g

