

Features

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

Typical Applications

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

BLOCKING

Symbol	Condition	Ratings	Unit
V_{RRM} V_{RSM}	$T_j=25^{\circ}\text{C}$	200 200	V
I_{RRM}	At V_{RRM} , Single phase, half wave, $T_j=125^{\circ}\text{C}$	15	mA
V_{ISOL}	50Hz, 1S/1MIN	3000/2500	V

CONDUCTING

Symbol	Condition	Ratings	Unit
$I_{F(AV)}$	$T_C=150^{\circ}\text{C}$; 180° sine	61	A
$I_{F(RMS)}$	$T_C=60^{\circ}\text{C}$; 180° sine	-	A
I_{FSM}	$T_C=45^{\circ}\text{C}$; t = 10 ms (50 Hz); sine	550	A
I^2t	$T_j= T_j \text{ Max.}$; t = 10 ms (50 Hz); sine	-	kA ² S
$V_{F(TO)}$	$T_j= 150^{\circ}\text{C}$	1.51	V
r_F	$T_j=150^{\circ}\text{C}$	7.1	mΩ
V_{FM}	On-State Current 120A, $T_j=150^{\circ}\text{C}$	1.82	V
T_{rr}	$I_F=100\text{A}$ -di/dt=600A/us $V_R=600\text{V}$	35	ns

Electrical Characteristics

Symbol	Condition	Ratings	Unit
$R_{th(j-c)}$	Per Module	0.5	K /W
$R_{th(c-h)}$	Per Module	0.1	K /W
T_j		-40 ~ + 150	°C
T_{stg}		-40 ~ + 125	°C
M	mounting torque	1.1-1.5	Nm
	terminal torque	1.1-1.5	Nm
W		30	g

Outline Drawing

