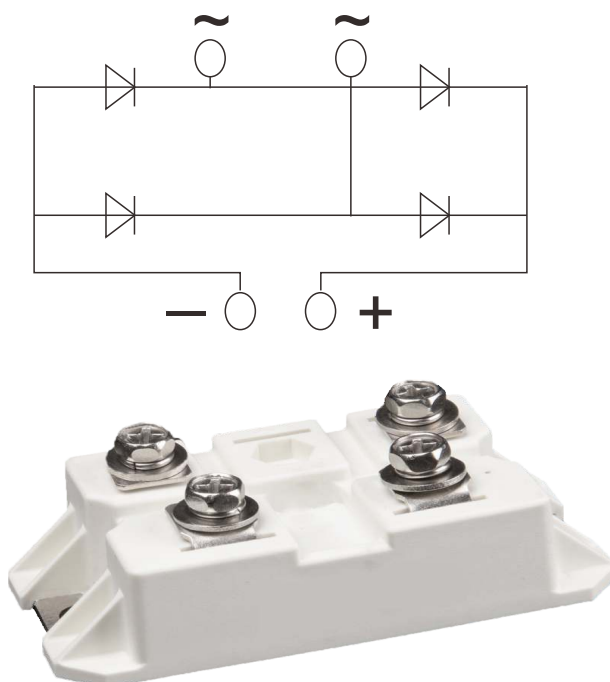


SYMBOL	CHARACTERISTIC	TEST CONDI TIONS	$T_j(^{\circ}\text{C})$	VALUE			UNIT
				M in	Type	M ax	
I_O	DC output current	Three-phase full wave rectifying circuit, $T_C=100^{\circ}\text{C}$	125		50		A
V_{RRM}	Repetitive peak reverse voltage	$V_{RRM} \text{ tp}=10\text{ms}$ $V_{RSM}=V_{DRM}\&V_{RRM}+200\text{V}$	125		1200		V
I_{RRM}	Repetitive peak current	at V_{RRM}	125			100	uA
I_{FSM}	Surge forward current	10ms half sine wave	125			0.60	KA
I^2t	I^2T for fusing coordination	$V_R=0.6V_{RRM}$				2.2	$\text{A}^2\text{s}\cdot 10^3$
V_{FO}	Threshold voltage		125			0.80	V
r_F	Forward slop resistance					3.0	$\text{m}\Omega$
V_{FM}	Peak forward voltage	$I_{FM}=50\text{A}$	25			1.60	V
t_{rr}	Reverse Recove ry Tei m	$I_F=1\text{A}$, $V_R=30\text{V}$, $di_F/dt=-200\text{A}/\mu\text{s}$				70	ns
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	Single side cooled				0.130	$^{\circ}\text{C}/\text{W}$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1\text{mA}(\text{max})$		3000			V
F_m	Terminal connection torque(M5)				5.0		N.m
	Mounting torque(M6)				5.0		N.m
T_{stg}	Stored temperature			-40		125	$^{\circ}\text{C}$
W_t	Weight				175		g
Outline							

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

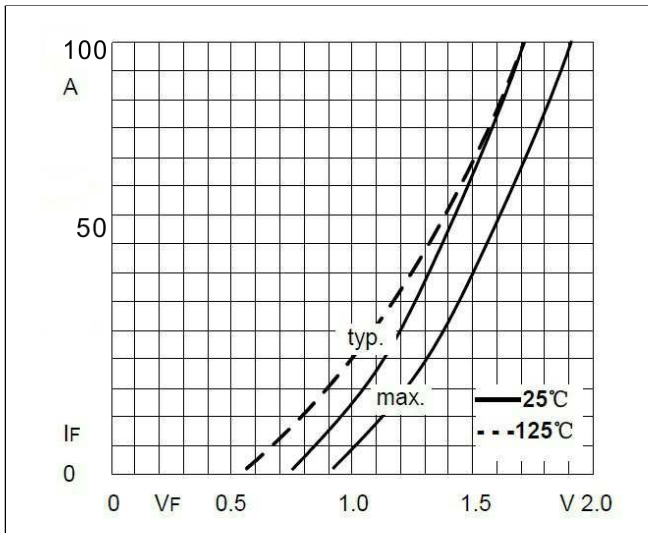


Fig1. Forward Characteristics

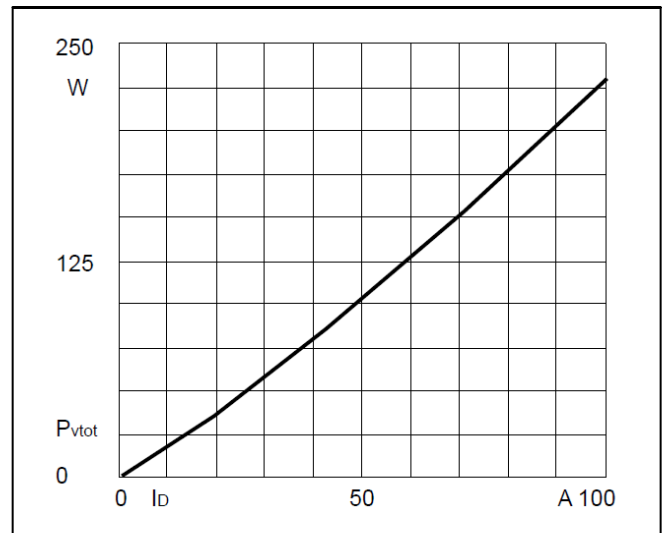


Fig2. Power dissipation

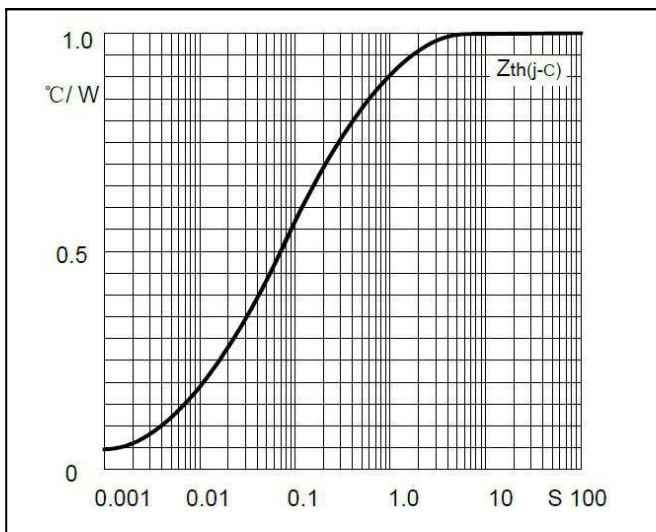


Fig3. Transient thermal impedance

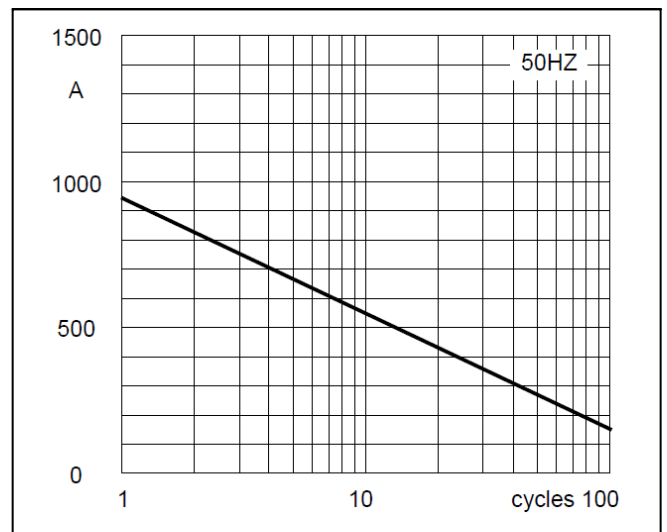


Fig4. Max Non-Repetitive Forward Surge Current

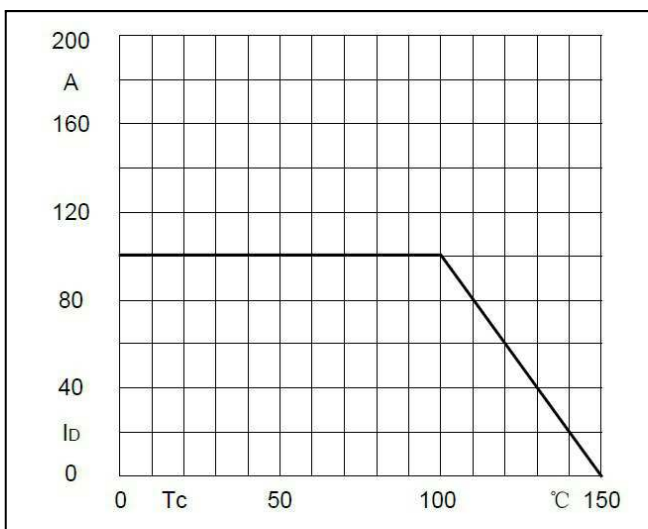


Fig5. Forward Current Derating Curve

Technical drawing of a mechanical part showing two views: a side elevation and a top view.

Side View Dimensions:

- Total height: 28
- Height to top of mounting holes: 21
- Height to top of central slot: 18
- Height to top of base: 14,5
- Base thickness: 4
- Central slot width: 1

Top View Dimensions:

- Total width: 81 ± 0.1
- Width to center of mounting holes: 66 ± 0.3
- Width to center of central slot: 30
- Width to center of base: 12
- Width to center of mounting holes (bottom): 11 ± 0.1
- Width to center of base (bottom): 4 ± 0.2
- Width to center of mounting holes (bottom): 4 ± 0.2
- Width to center of mounting holes (right): 21 ± 0.1
- Width to center of mounting holes (right): 41 ± 0.1
- Width to center of mounting holes (right): $\phi 6,5 \pm 0.2$
- Width to center of mounting holes (right): $6,5 \pm 0.2$

A white plastic terminal block with four screw terminals and a central square hole. The block is shown from a perspective view, highlighting its stepped design and the arrangement of the terminals.