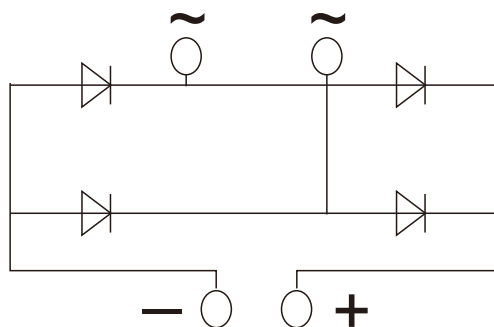


SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}\text{C})$	VALUE			UNIT
				M in	Type	M ax	
I_O	DC output current	Three-phase full wave rectifying circuit, $T_C=100^{\circ}\text{C}$	125		50		A
V_{RRM}	Repetitive peak reverse voltage	$V_{RRM} t_p=10\text{ms}$ $V_{RSM}=V_{DRM}+V_{RRM}+200\text{V}$	125		1800		V
I_{RRM}	Repetitive peak current	at V_{RRM}	125			0.3	mA
I_{FSM}	Surge forward current	10ms half sine wave	125			0.5	KA
I^2t	I^2T for fusing coordination	$V_R=0.6V_{RRM}$				2.1	$\text{A}^2\text{s}\cdot 10^3$
V_{FO}	Threshold voltage		125			0.80	V
r_F	Forward slop resistance					4.0	$\text{m}\Omega$
V_{FM}	Peak forward voltage	$I_{FM}=50\text{A}$	25			1.75	V
t_{rr}	Reverse Recove ry Tei m	$I_F=1\text{A}$, $V_R=30\text{V}$, $di_F/dt=-200\text{A}/\mu\text{s}$				140	ns
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	Single side cooled				0.150	$^{\circ}\text{C}/\text{W}$
V_{iso}	Isolation voltage	50Hz, R.M.S, $t=1\text{min}$, $I_{iso}=1\text{mA}(\text{max})$		3000			V
F_m	Terminal connection torque(M5)				4.0		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

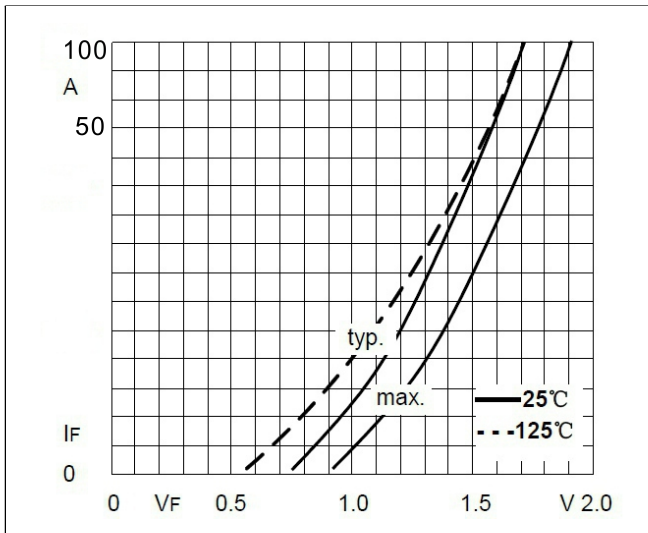


Fig1. Forward Characteristics

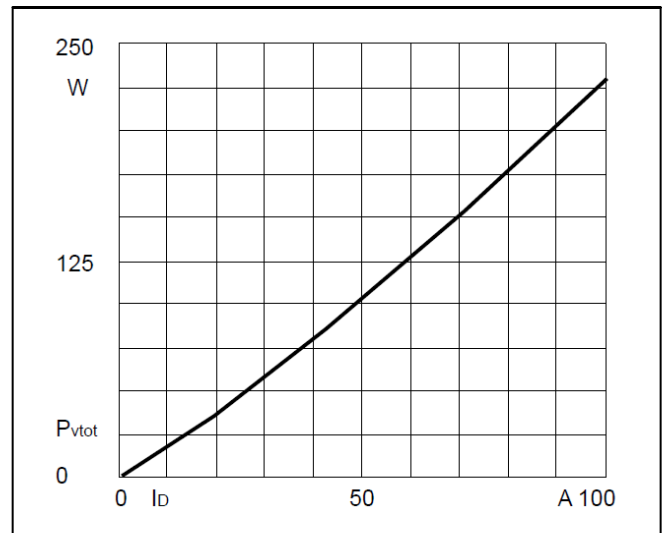


Fig2. Power dissipation

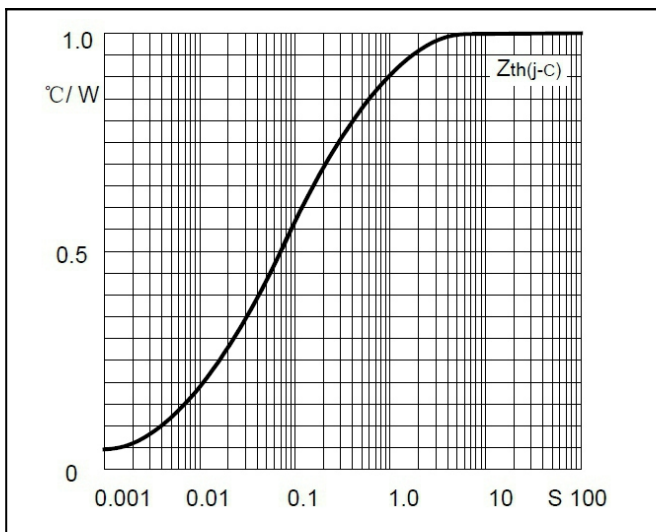


Fig3. Transient thermal impedance

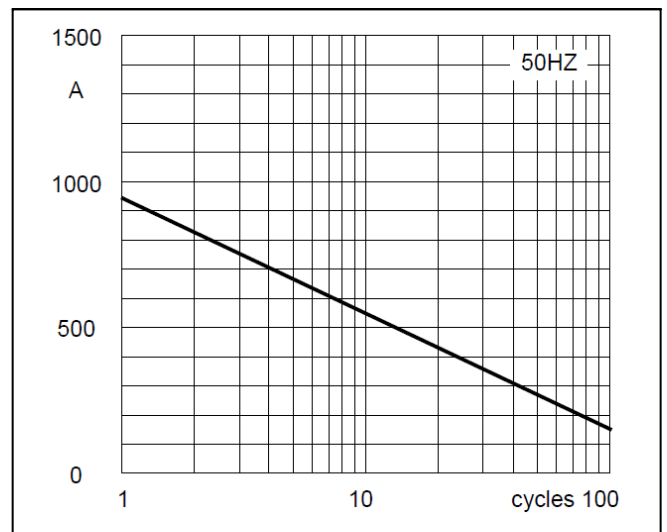


Fig4. Max Non-Repetitive Forward Surge Current

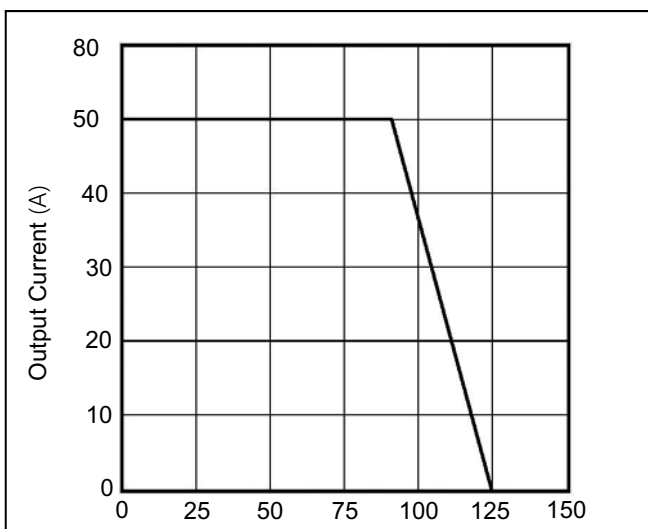


Fig5. Forward Current Derating Curve

Package Outline Information

