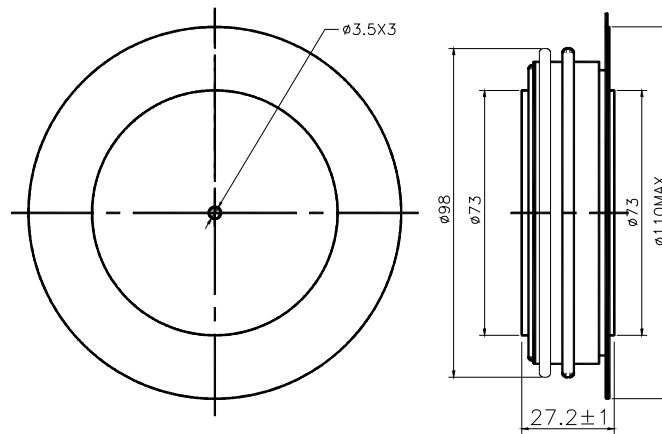


SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}\text{C})$	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Double side cooled, $T_{hs}=55^{\circ}\text{C}$	150			3835	A
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Double side cooled, $T_{hs}=90^{\circ}\text{C}$	150			2846	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms $V_{RSM}=V_{RRM}+100\text{V}$	150	3100		3800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			200	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			49.9	KA
I^2T	I^2T for fusing coordination	$V_R=0.6V_{RRM}$				12428	$\text{A}^2\text{s}\cdot 10^3$
V_{FO}	Threshold voltage		150			0.95	V
r_F	Forward slop resistance					0.14	$\text{m}\Omega$
V_{FM}	Peak on-state voltage	$I_{TM}=5400\text{A}$, $F=40\text{KN}$	150			1.70	V
I_{rm}	Reverse recovery current	$I_{TM}=1000\text{A}$, tp=1000 μs , di/dt=-40A/ μs , $V_R=50\text{V}$	150			150	A
t_{rr}	Reverse recovery time					8.0	μs
Q_{rr}	Recovery charge					600	μC
$R_{th(j-h)}$	Thermal resistance Junction to heatsink	At 180° sine double side cooled Clamping force 40KN				0.011	$^{\circ}\text{C}/\text{W}$
F_m	Mounting force			35		47	KN
T_{stg}	Stored temperature			-40		160	$^{\circ}\text{C}$
W_t	Weight				1100		g
Outline	ZT73cT						

Outline



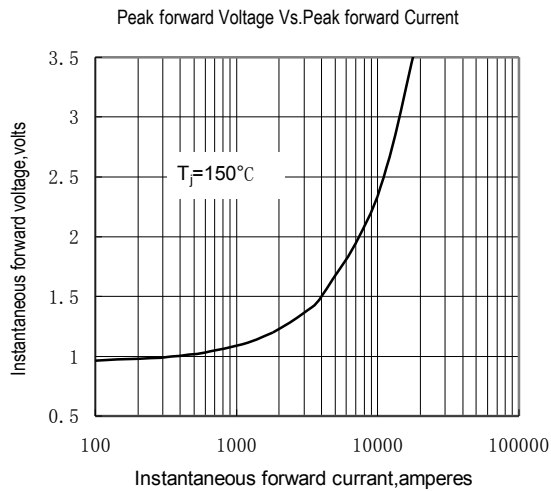


Fig.1

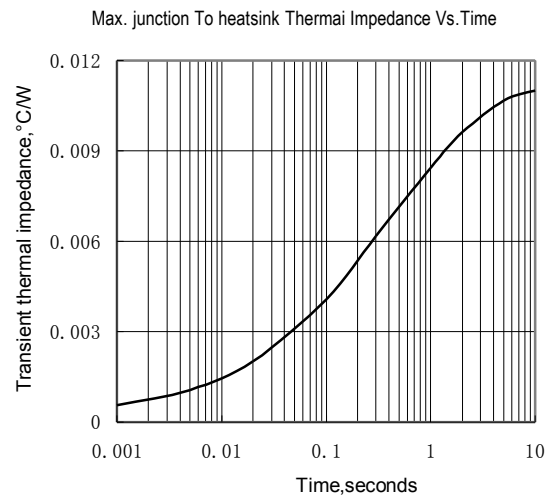


Fig.2

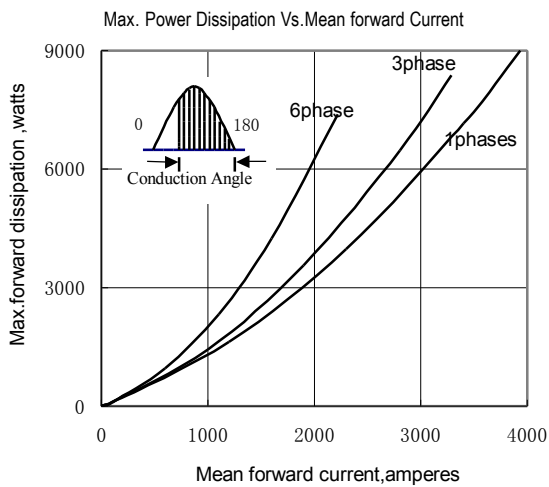


Fig.3

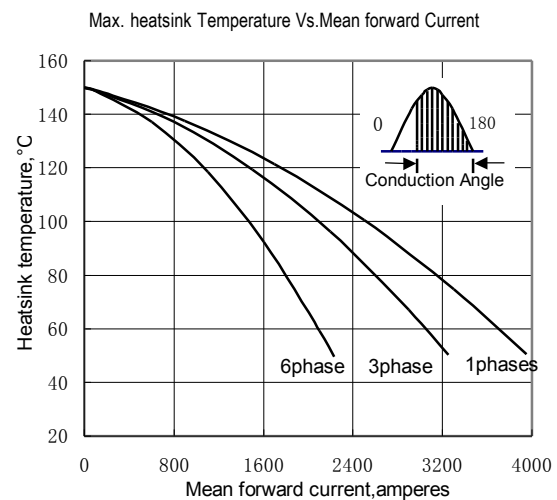


Fig.4

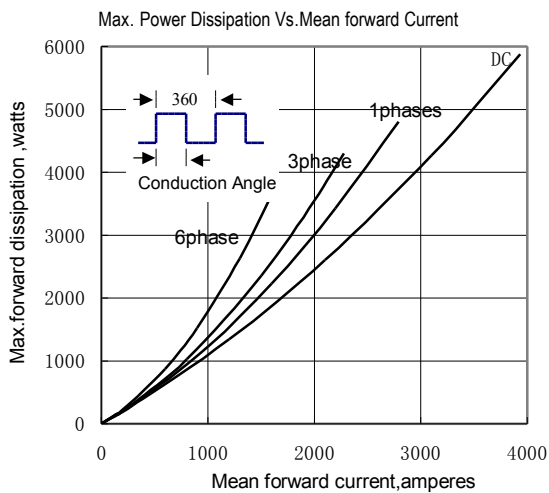


Fig.5

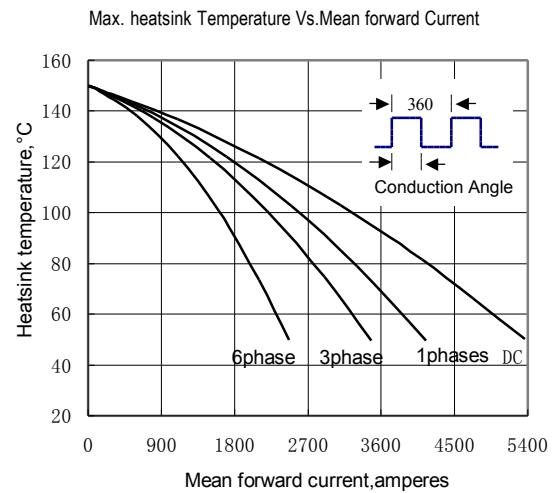


Fig.6

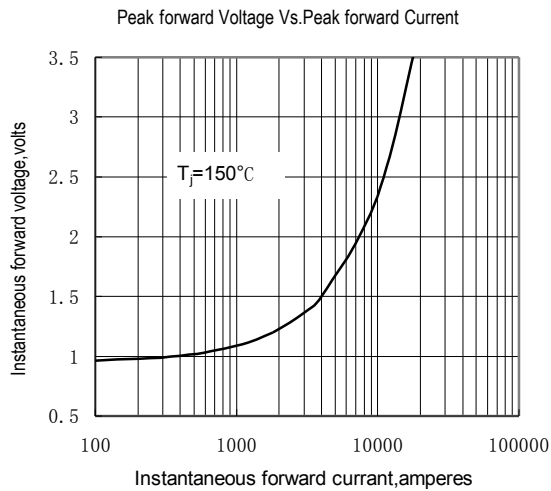


Fig.1

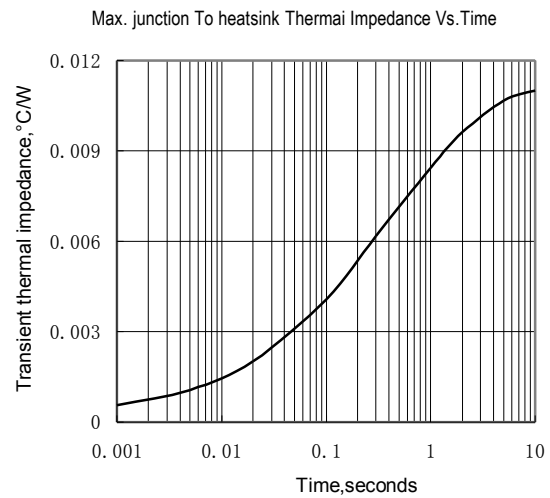


Fig.2

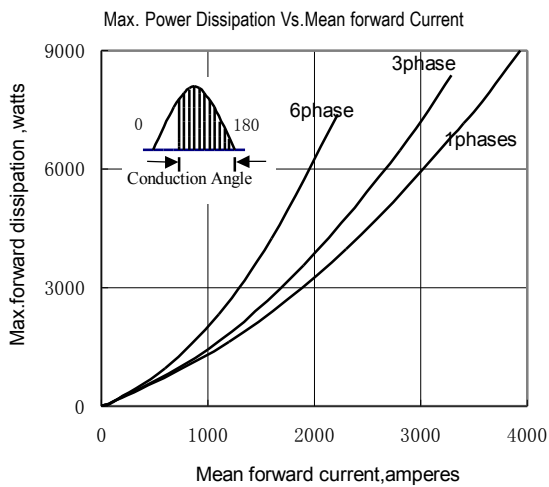


Fig.3

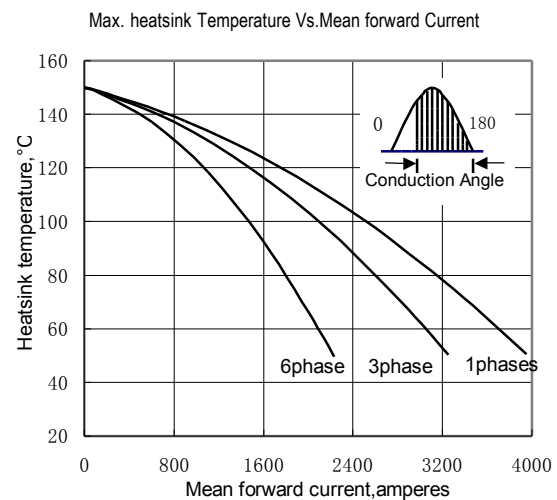


Fig.4

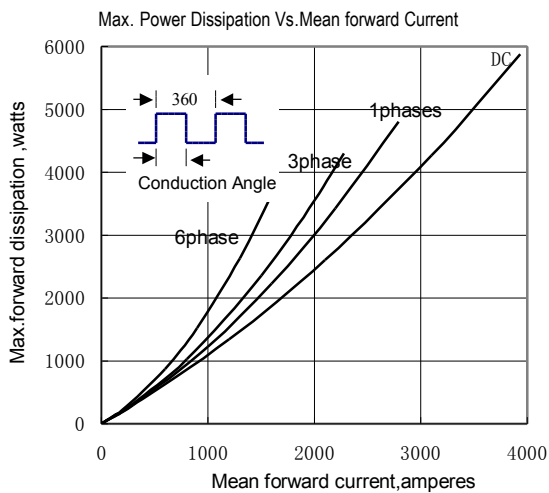


Fig.5

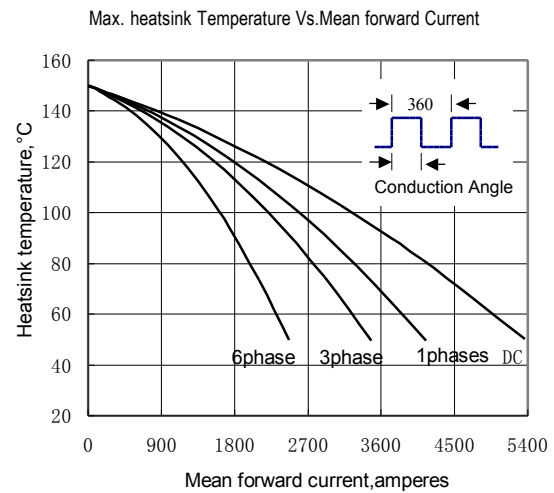


Fig.6