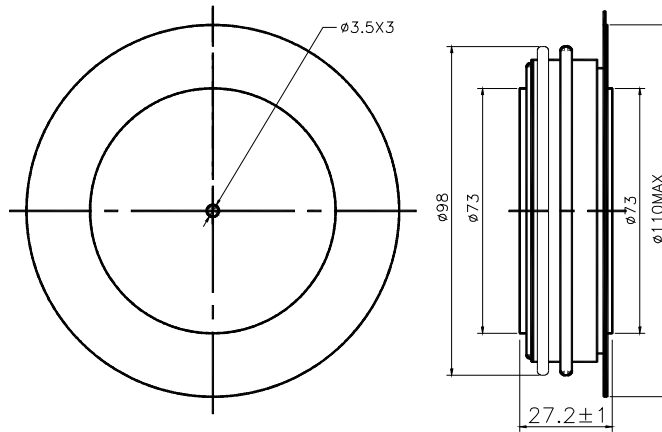


D25-XX00
RECTIFIER DIODE

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (°C)	VALUE			UNIT	
				Min	Type	Max		
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz Double side cooled, T _{hs} =55°C	150			3835	A	
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz Double side cooled, T _{hs} =90°C	150			2846	A	
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V	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 ² T	I ² T for fusing coordination	V _R =0.6V _{RRM}					12428	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.95	V	
r _F	Forward slop resistance						0.14	mΩ
V _{FM}	Peak on-state voltage	I _{TM} =5400A, F=40KN	150			1.70	V	
I _{rm}	Reverse recovery current		150			150	A	
t _{rr}	Reverse recovery time	I _{TM} =1000A, tp=1000μs, di/dt=-40A/μs, V _R =50V					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	°C /W	
F _m	Mounting force			35		47	KN	
T _{stg}	Stored temperature			-40		160	°C	
W _t	Weight					1100	g	
Outline	ZT73cT							

Outline



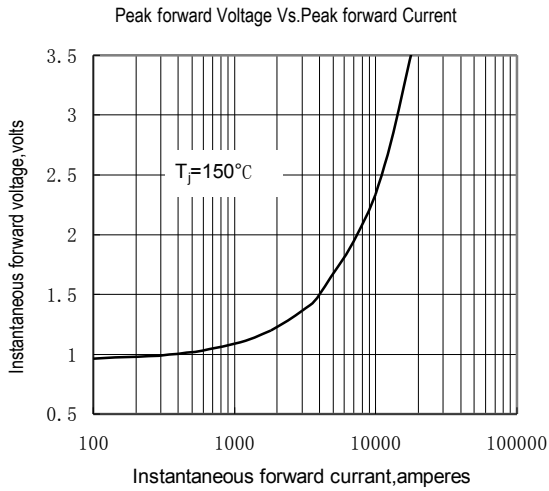


Fig.1

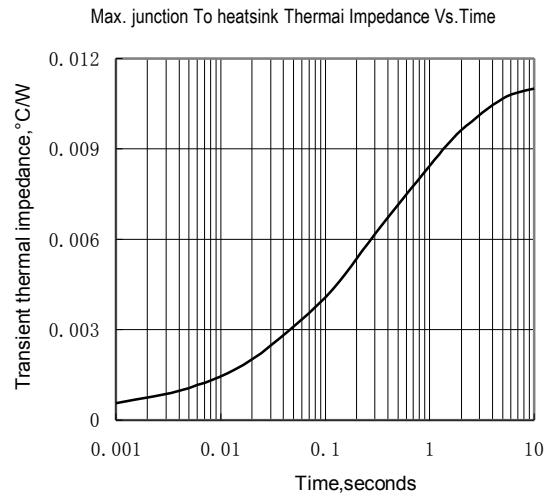


Fig.2

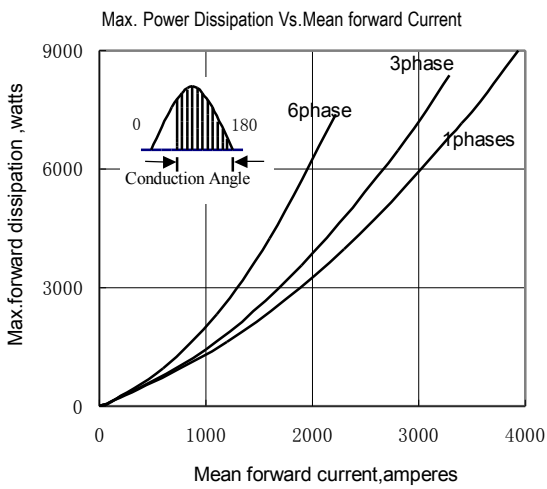


Fig.3

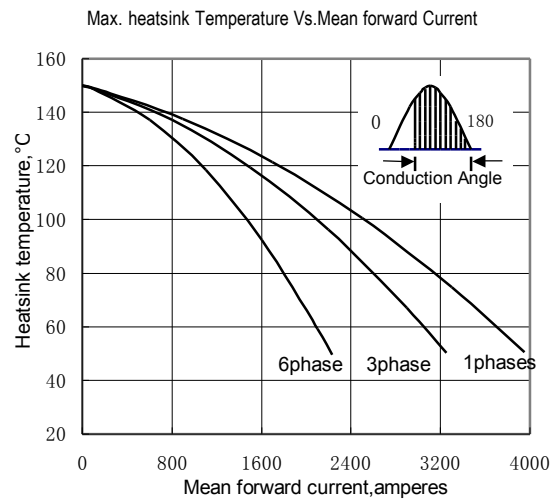


Fig.4

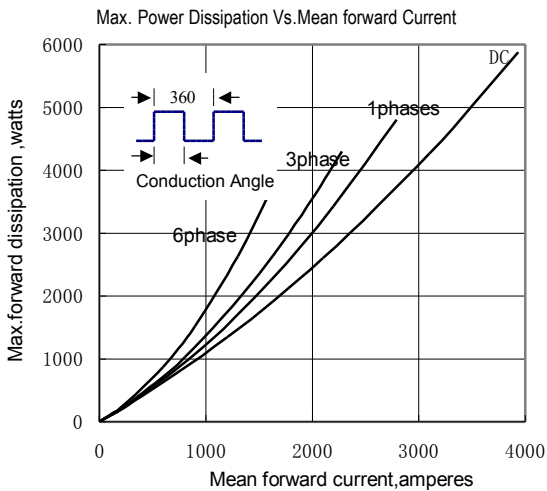


Fig.5

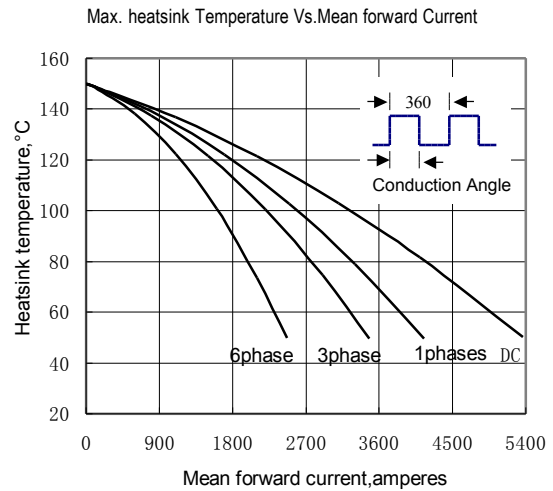


Fig.6

D25-XX00
RECTIFIER DIODE

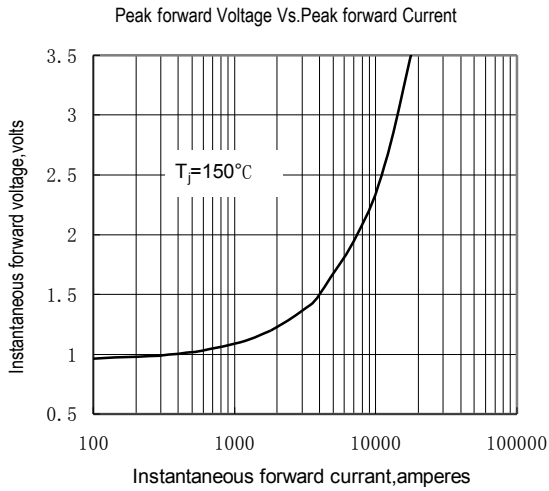


Fig.1

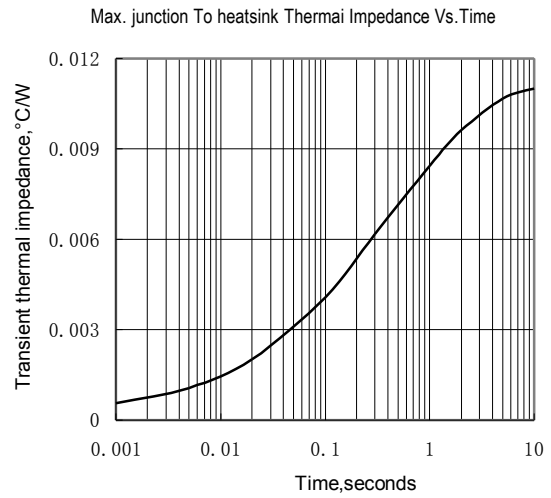


Fig.2

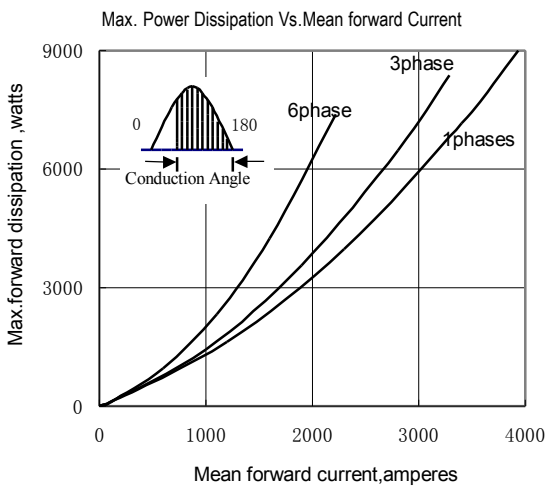


Fig.3

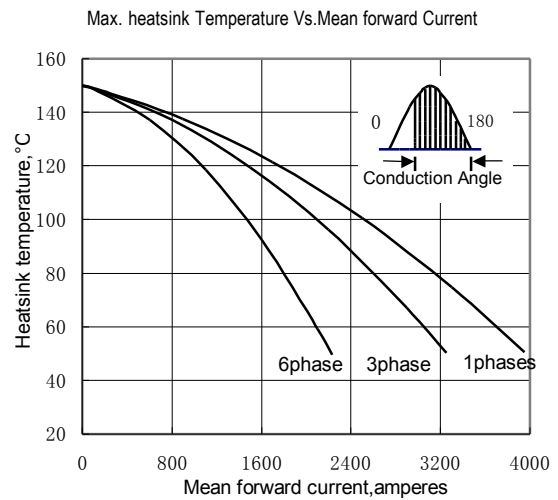


Fig.4

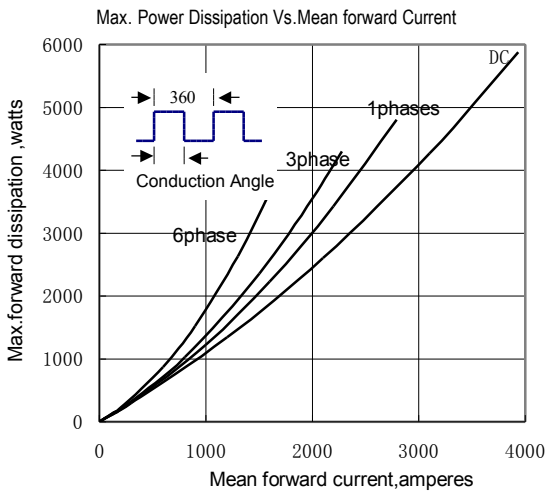


Fig.5

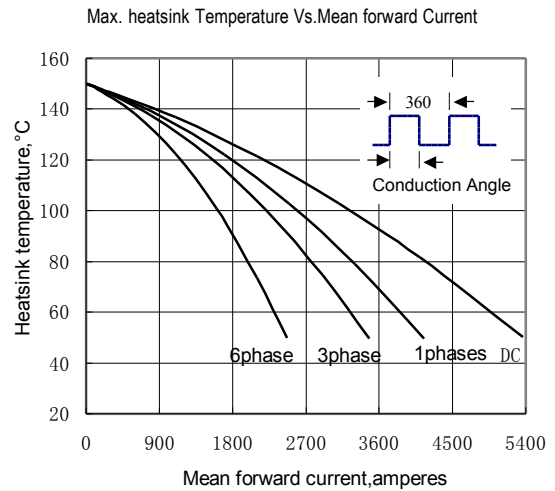


Fig.6