



Features

- Low forward voltage drop
- High reverse voltage
- Hermetic metal cases with ceramic insulators

Typical Applications

- All purpose high power rectifier diodes
- High power resistance welding equipment
- Non-controllable and half-controllable rectifiers
- Controlled rectifiers

Part No. H150ZMR-ZT140cT			
I_{F(AV)}	6700A		
V_{RRM}	5600V	6000V	6500V

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 _C =100°C	150			6700	A
I _{RRM}	Repetitive peak current	at V _{RRM}		150			500	mA
I _{FSM}	Surge forward current	10ms half sine wave		150			120	kA
I ² t	I ² t for fusing coordination	V _R =0.6V _{RRM}						7200
V _{FO}	Threshold voltage			150			0.72	V
r _F	Forward slope resistance							0.115
V _{FM}	Peak forward voltage	I _{FM} =5000A, F=120kHz		25			1.50	V
Q _{rr}	Recovery charge	I _{FM} =2000A, t _p =4000μs, di/dt=-20A/μs, V _R =100V		150		20000		μC
R _{th(j-c)}	Thermal resistance Junction to case	Double side cooled Clamping force 120kN					0.0025	°C/W
R _{th(c-h)}	Thermal resistance case to heat sink							
F _m	Mounting force				165		190	kN
T _{vj}	Junction temperature				-40		150	°C
T _{stg}	Stored temperature				-40		160	°C
W _t	Weight					3200		g
Outline	ZT140cT							

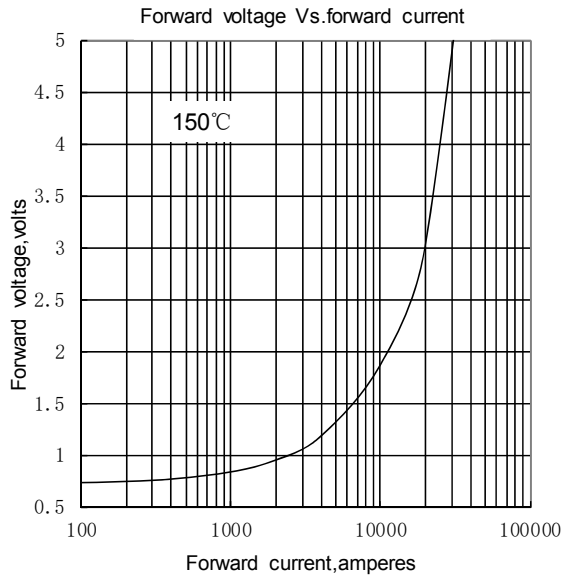


Fig.1

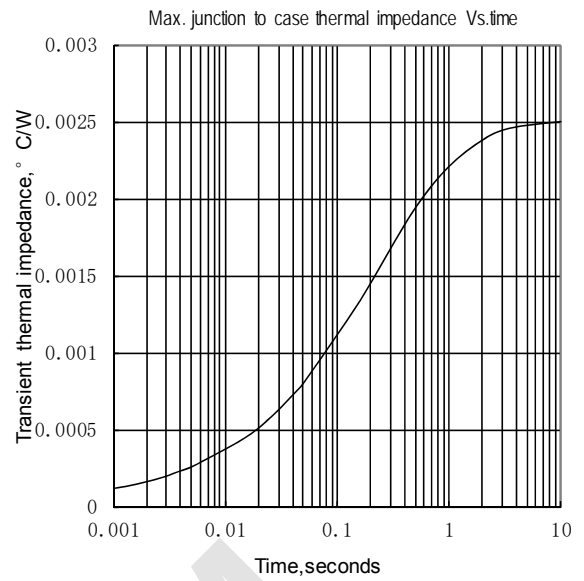


Fig.2

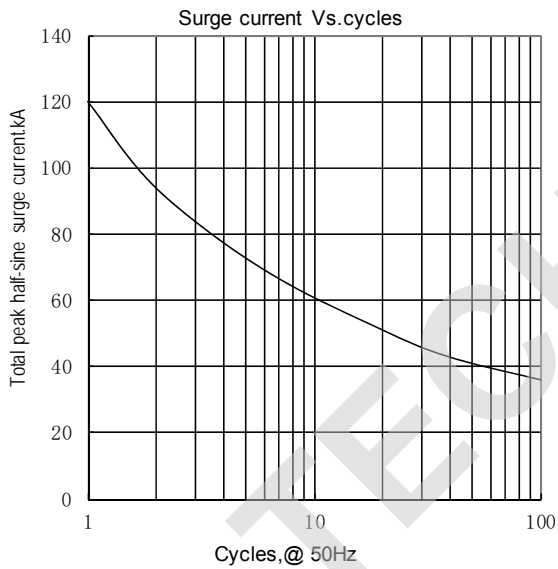


Fig.3

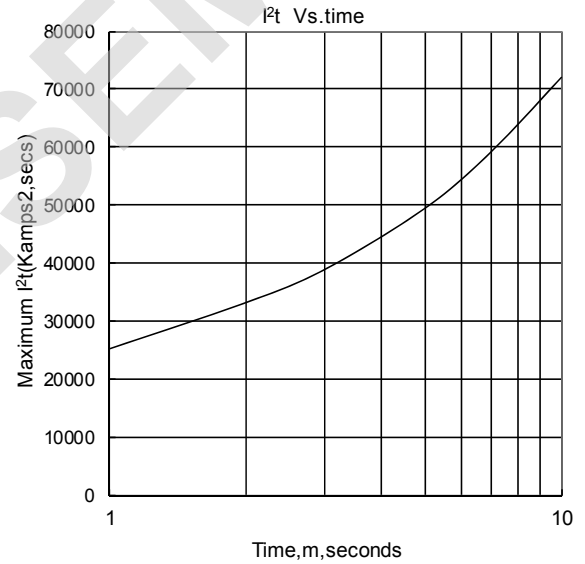
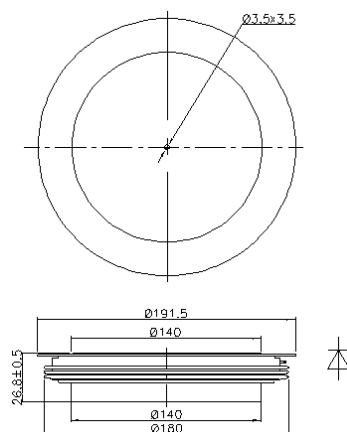


Fig.4

Outline:



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