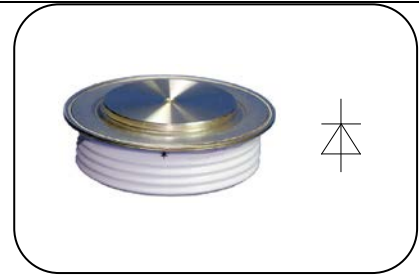


Features

- Low forward voltage drop
- Soft recovery
- Hermetic metal cases with ceramic insulators

$I_{F(AV)}$ **1340A**
 V_{RRM} **2100~3000V**
 t_{rr} **8.0μs**



Typical Applications

- Inverters and choppers
- Motor control
- Snubber and free-wheeling diodes

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 =70°C	125			1340	A
V _{RRM}	Repetitive peak reverse voltage	tp=10ms	125	2100		3000	V
I _{RRM}	Repetitive peak current	at V _{RRM}	125			100	mA
I _{FSM}	Surge forward current	10ms half sine wave	125			20	kA
I ² t	I ² t for fusing coordination	V _R =0.6V _{RRM}				2000	A ² s*10 ³
V _{FO}	Threshold voltage		125			1.58	V
r _F	Forward slope resistance					0.30	mΩ□
V _{FM}	Peak forward voltage	I _{FM} =2000A, F=28kHz	125			2.18	V
I _{rm}	Reverse recovery current		125		200		A
t _{rr}	Reverse recovery time	I _{FM} =1000A, tp=2000μs, -di/dt=60A/μs, V _R =50V			8		μs
Q _{rr}	Recovery charge				800		μC
R _{th(j-c)}	Thermal resistance Junction to case	At 180° sine double side cooled Clamping force 28kN				0.016	°C /W
R _{th(c-h)}	Thermal resistance case to heat sink					0.004	
F _m	Mounting force			21		30	kN
T _{stg}	Stored temperature			-40		160	°C
W _t	Weight				640		g
Outline							

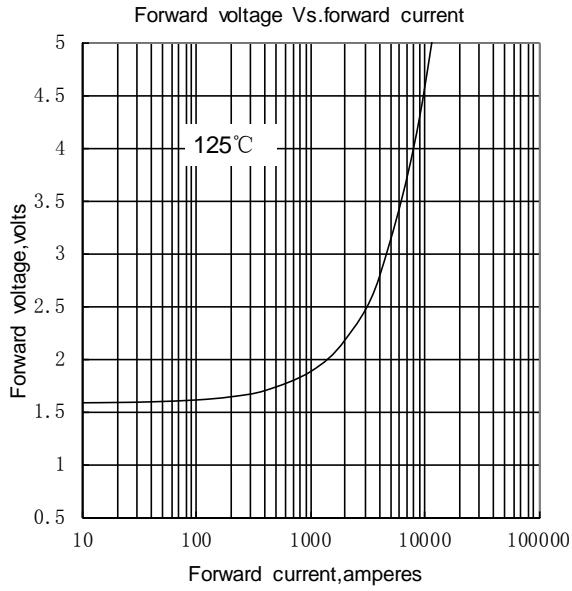


Fig.1

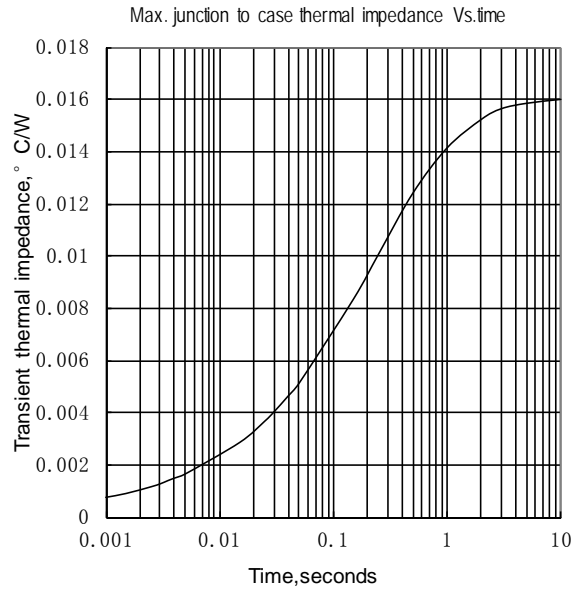


Fig.2

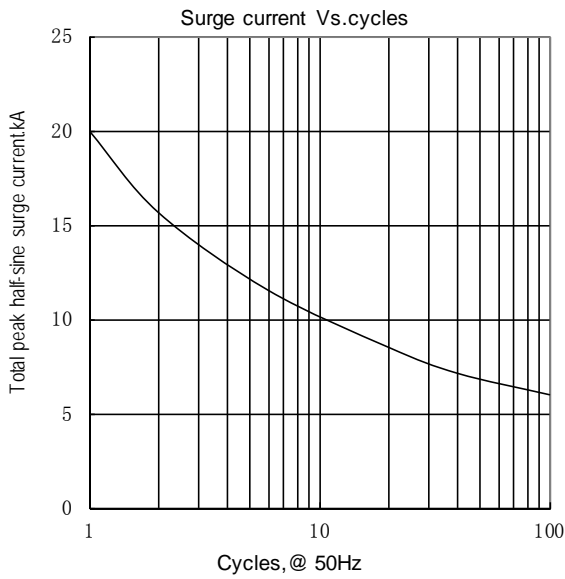


Fig.3

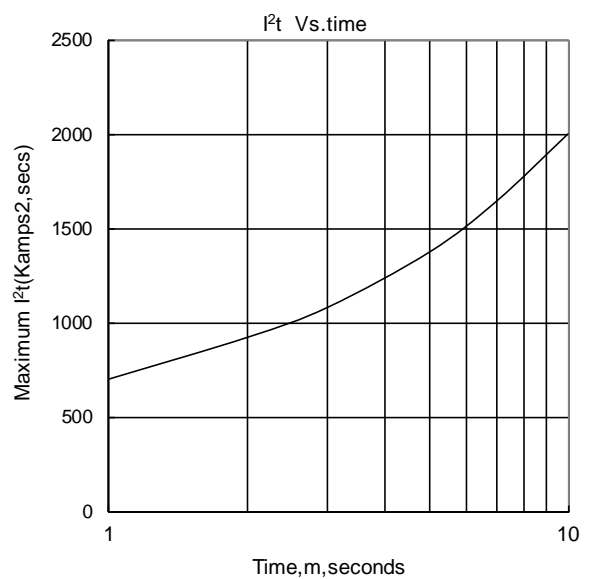


Fig.4

Outline:

