

Features

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

Typical Applications

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

$I_{F(AV)}$ **2620A**
 V_{RRM} **1100~2000V**
 t_{rr} **7.0 μ s**



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 =85°C	150			2620	A	
V _{RRM}	Repetitive peak reverse voltage	tp=10ms		150	1100		2000	V	
I _{RRM}	Repetitive peak current	at V _{RRM}		150			195	mA	
I _{FSM}	Surge forward current	10ms half sine wave		150			31	kA	
I ² t	I ² t for fusing coordination	V _R =0.6V _{RRM}						4805	A ² s*10 ³
V _{FO}	Threshold voltage			150			1.10	V	
r _F	Forward slope resistance							0.15	mΩ
V _{FM}	Peak forward voltage	I _{TM} =5000A, F=35kN		25			2.80	V	
I _{rm}	Reverse recovery current	I _{TM} =2000A, tp=2000μs, -di/dt=60A/μs, V _R =50V		150		228		A	
t _{rr}	Reverse recovery time					7			μs
Q _{rr}	Recovery charge					800	1000		μC
R _{th(j-c)}	Thermal resistance Junction to case	At 180° sine double side cooled Clamping force 35kN					0.012	°C /W	
R _{th(c-h)}	Thermal resistance case to heat sink						0.003		
F _m	Mounting force				30		40	kN	
T _{stg}	Stored temperature				-40		160	°C	
W _t	Weight					880		g	
Outline	ZT60cT70								

Outline

