

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

$I_{F(AV)}$ **950A**
 V_{RRM} **200~1000V**
 t_{rr} **3.0 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			950	A
V_{RRM}	Repetitive peak reverse voltage	tp=10ms	150	200		1000	V
I_{RRM}	Repetitive peak current	at V _{RRM}	150			50	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			13	kA
I^2t	I ² t for fusing coordination	V _R =0.6V _{RRM}				845	A ² s*10 ³
V_{FO}	Threshold voltage		150			1.15	V
r_F	Forward slope resistance					0.34	mΩ
V_{FM}	Peak forward voltage	I _{TM} =2400A, F=15kN	25			2.80	V
I_{rm}	Reverse recovery current	I _{TM} =1000A, tp=1000 μ s, -di/dt=60A/ μ s, V _R =50V	150		51		A
t_{rr}	Reverse recovery time				3		μ s
Q_{rr}	Recovery charge				77	90	μ C
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine double side cooled Clamping force 15kN				0.035	°C/W
$R_{th(c-h)}$	Thermal resistance case to heat sink					0.008	
F_m	Mounting force			10		20	kN
T_{stg}	Stored temperature			-40		160	°C
W_t	Weight				250		g
Outline	ZT33cT						

Outline

