

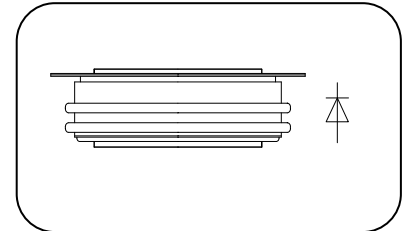
Features

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

Typical Applications

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

$I_{F(AV)}$ **2175A**
 V_{RRM} **4000~5000V**
 t_{rr} **12.0 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,	150			2811	A
						2175	
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V	150	4000		5000	V
I _{RRM}	Repetitive peak current	V _{RM} = V _{RRM}	150			250	mA
I _{FSM}	Surge forward current	10ms half sine wave	150			30	kA
I ² t	I ² T for fusing coordination	V _R =0.6V _{RRM}					4500
V _{FO}	Threshold voltage		150			1.65	V
r _F	Forward slop resistance						0.25
V _{FM}	Peak on-state voltage	I _{TM} =3000A, F=40kN	150			2.40	V
I _{rm}	Reverse recovery current	I _{TM} =2000A, tp=1000μs, -di/dt=20A/μs, V _R =50V	150		320		A
t _{rr}	Reverse recovery time				12		μs
Q _{rr}	Recovery charge				1900	2200	μC
R _{th(j-c)}	Thermal resistance Junction to case	At 180° sine' double side cooled Clamping force40kN				0.010	°C /W
R _{th(c-h)}	Thermal resistance case to heat sink					0.003	
F _m	Mounting force			35		47	kN
T _{stg}	Stored temperature			-40		160	°C
W _t	Weight				1100		g
Outline	ZT73cT						

Outline:

