

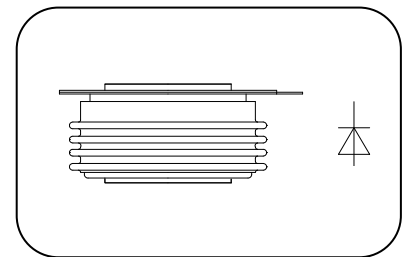
Features

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

Typical Applications

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

$I_{F(AV)}$ **1510A**
 V_{RRM} **2100~3000V**
 t_{rr} **8.0 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			1960	A
						1510	
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V	150	2100		3000	V
I _{RRM}	Repetitive peak current	V _{RM} = V _{RRM}	150			100	mA
I _{FSM}	Surge forward current	10ms half sine wave	150			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		150			1.58	V
r _F	Forward slop resistance					0.30	mΩ
V _{FM}	Peak on-state voltage	I _{TM} =2000A, F=28kN	150			2.18	V
I _{rm}	Reverse recovery current	I _{TM} =2000A, tp=1000μs, -di/dt=60A/μs, V _R =50V	150		200		A
t _{rr}	Reverse recovery time			8		μs	
Q _{rr}	Recovery charge			800	1010	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	ZT54cT60						

Outline

