

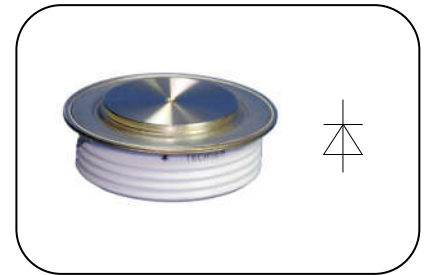
Features

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

Typical Applications

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

$I_{F(AV)}$ **2060A**
 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			2060	A
V _{RRM}	Repetitive peak reverse voltage	tp=10ms		150	1100		2000	V
I _{RRM}	Repetitive peak current	at V _{RRM}		150			145	mA
I _{FSM}	Surge forward current	10ms half sine wave		150			25	kA
I ² t	I ² t for fusing coordination	V _R =0.6V _{RRM}					3125	A ² s*10 ³
V _{FO}	Threshold voltage			150			1.16	V
r _F	Forward slope resistance						0.16	mΩ
V _{FM}	Peak forward voltage	I _{TM} =4000A, F=28kN		25			2.80	V
I _{rm}	Reverse recovery current	I _{TM} =2000A, tp=2000μs, -di/dt=60A/μs, V _R =50V		150		128		A
t _{rr}	Reverse recovery time					7		μs
Q _{rr}	Recovery charge					450	550	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	ZT54cT							

Outline

