

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 _{hs} =55°C	150			2421	A
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz Double side cooled, T _{hs} =90°C	150			1768	A
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V	150	1100		2000	V
I _{RRM}	Repetitive peak current	at V _{RRM}	150			80	mA
I _{FSM}	Surge forward current	10ms half sine wave	150			31.3	KA
I ² T	I ² T for fusing coordination	V _R =0.6V _{RRM}				4912	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.89	V
r _F	Forward slop resistance					0.15	mΩ
V _{FM}	Peak on-state voltage	I _{TM} =4500A, F=24KN	150			1.57	V
I _{rm}	Reverse recovery current		150			130	A
t _{rr}	Reverse recovery time	I _{TM} =300A, tp=1000μs, di/dt=-20A/μs, V _R =50V				5.5	μs
Q _{rr}	Recovery charge					357	μC
R _{th(j-h)}	Thermal resistance Junction to heatsink	At 180° sine double side cooled Clamping force 24KN				0.022	°C /W
F _m	Mounting force			19		26	KN
T _{stg}	Stored temperature			-40		160	°C
W _t	Weight				470		g
Outline	ZT50cT						

Outline



