

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

$I_{F(AV)}$ **1061A**
 V_{RRM} **4000~5000V**
 t_{rr} **10.0 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				1061	A	
V _{RRM}	Repetitive peak reverse voltage	tp=10ms		150	4000		5000	V	
I _{RRM}	Repetitive peak current	at V _{RRM}		150			100	mA	
I _{FSM}	Surge forward current	10ms half sine wave		150			15	kA	
I ² t	I ² t for fusing coordination	V _R =0.6V _{RRM}						1125	A ² s*10 ³
V _{FO}	Threshold voltage			150			1.73	V	
r _F	Forward slope resistance							0.51	mΩ
V _{FM}	Peak forward voltage	I _{TM} =1500A, F=24kN		25			3.50	V	
I _{rm}	Reverse recovery current	I _{TM} =2000A, tp=1000 μ s,		100			330	A	
t _{rr}	Reverse recovery time	-di/dt=60A/ μ s,						10	μ s
Q _{rr}	Recovery charge	V _R =50V						1500	μ C
R _{th(j-c)}	Thermal resistance Junction to case	At 180° sine double side cooled Clamping force 24kN					0.020	°C /W	
R _{th(c-h)}	Thermal resistance case to heat sink						0.005		
F _m	Mounting force				19		26	kN	
T _{stg}	Stored temperature				-40		160	°C	
W _t	Weight						440	g	
Outline	ZT50cT								

Outline

