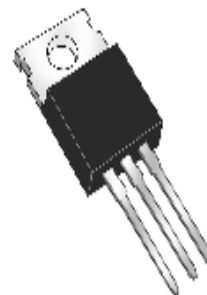


Main Product Characteristics:

IF	2×5A
VRRM	100V
T _j (max)	150C
Vf(max)	0.8V



Features and Benefits:

- High Junction Temperature
- High ESD Protection, IEC Model $\pm 10\text{Kv}$
- High Forward & Reverse Surge capability

Description:

Schottky Barrier Rectifier designed for high frequency switch model power supplies such as adaptors and DC/DC convertors; this product special design for high forward and reverse surge capability

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SBR10100CT

Absolute Rating:

Symbol	Characterizes		Value	Unit
V _{RRM}	Peak Repetitive Reverse Voltage		100	V
V _{R(RMS)}	RMS Reverse Voltage		70	V
I _{F(AV)}	Average Forward Current	Per diode	5	A
		Per device	10	A
I _{FSM}	Non Repetitive Surge Forward Current(tp=8.3ms sinusoidal)		120	A
I _{RRM}	Peak Repetitive Reverse Surge Current(Tp=2us)		1	A
T _J	Maximum operation Junction Temperature Range		-50~150	°C
T _{stg}	Storage Temperature Range		-50~150	°C

Thermal Resistance

Symbol	Characterizes		Value	Unit
R _{θJC}	Maximum Thermal Resistance Junction To	TO220	2	°C/W
R _{θJC}	Case	TO220F	4	°C/W

Electrical Characterizes @T_A=25°C unless otherwise specified

Symbol	Characterizes	Min	Typ	Max	Unit	Test Condition
V _R	Reverse Breakdown Voltage	100			V	I _R =0.5mA
V _F	Forward Voltage Drop			0.8	V	I _F =5A, T _J =25°C
				0.75		I _F =5A, T _J =125°C
I _R	Leakage Current			0.1	mA	V _R =100V, T _J =25°C
				5		V _R =100V, T _J =125°C

Mechanical Data:

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