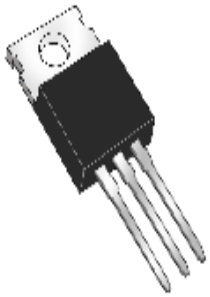
SSBR10100CT
SSBR10100CTF

Main Product Characteristics:

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



TO220
SSBR10100CT

TO220F
SSBR10100CTF

Features and Benefits:

- High Junction Temperature
- High ESD Protection, IEC Model ±10Kv
- 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

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	℃
T_{stg}	Storage Temperature Range		-50~150	℃

Thermal Resistance

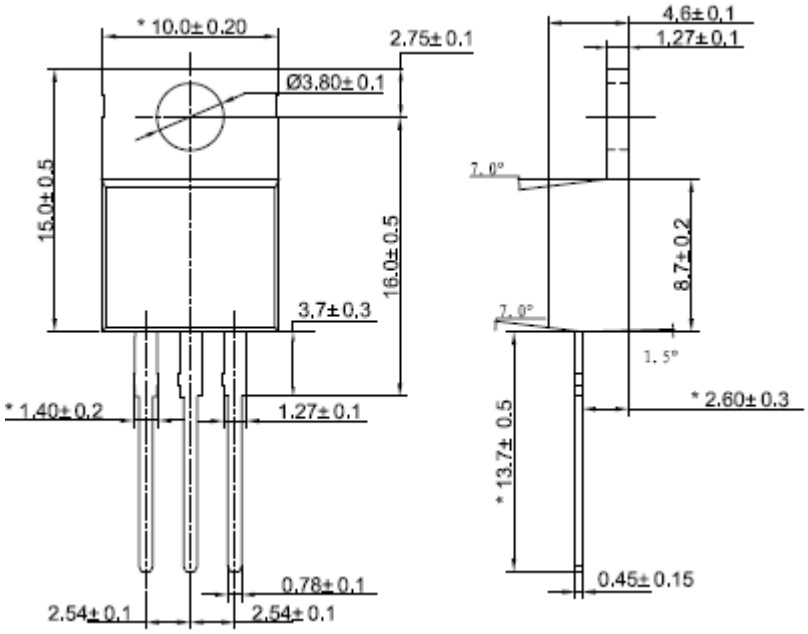
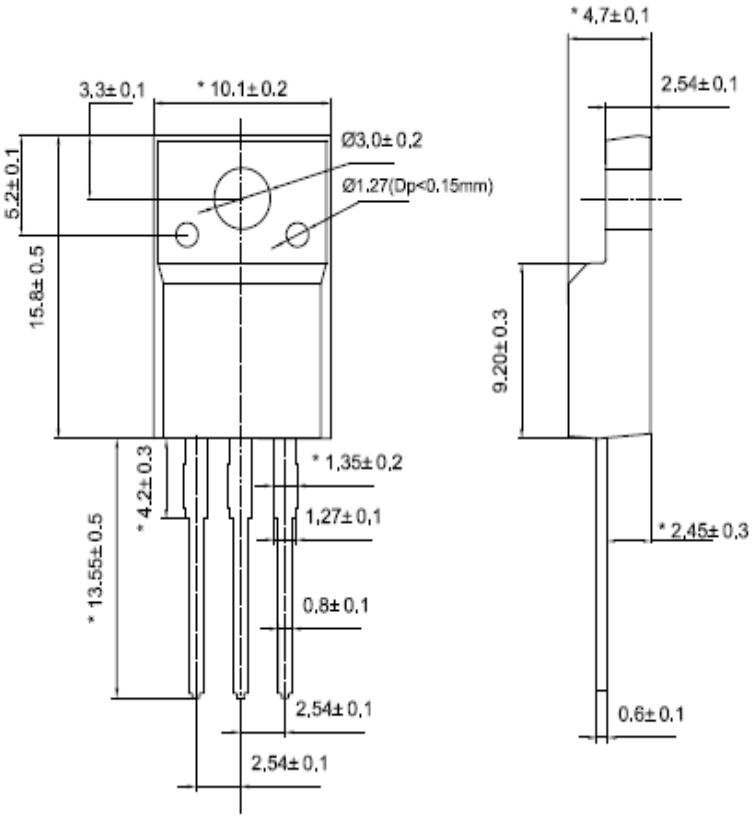
Symbol	Characterizes		Value	Unit
$R_{\theta JC}$	Maximum Thermal Resistance Junction To Case	TO220	2	℃/W
$R_{\theta JC}$		TO220F	4	℃/W

Electrical Characterizes @T_A=25℃ 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℃
				0.75		I_F=5A, T_J=125℃
I_R	Leakage Current			0.1	mA	V_R=100V, T_J=25℃
				5		V_R=100V, T_J=125℃

Mechanical Data：

TO220



TO220F：