

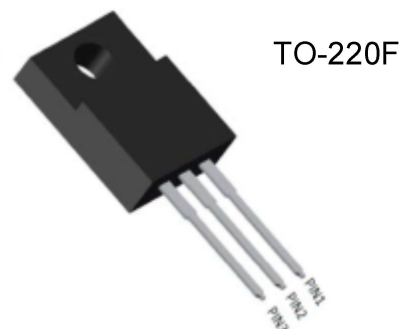


WSR20030FCT

SCHOTTKY BARRIER RECTIFIERS

Features

- 30A Schottky barrier diode
- Schottky barrier rectifier
- Excellent high temperature stability
- Low forward voltage
- High forward surge capability
- High current capability
- Extremely low thermal resistance



Mechanical Data

- Case: TO-220F molded plastic package
- Polarity: As marked

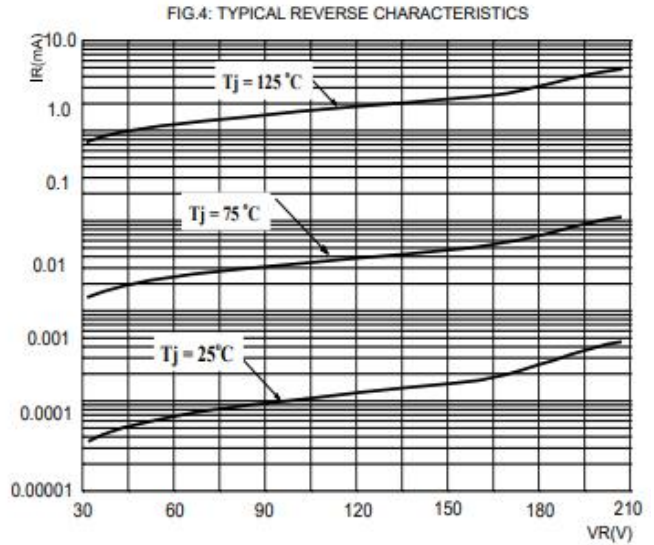
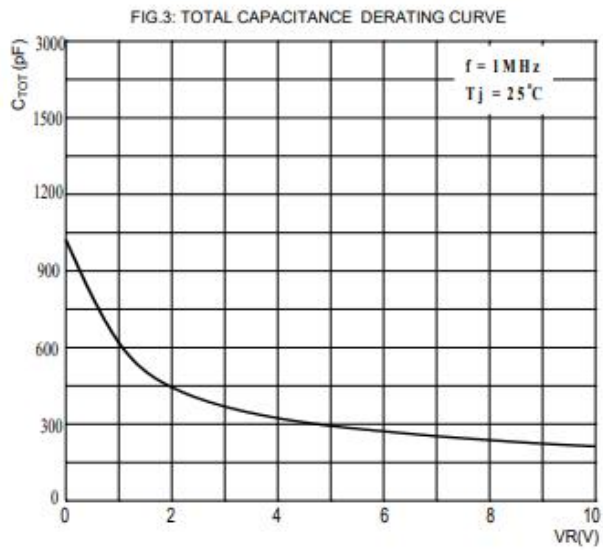
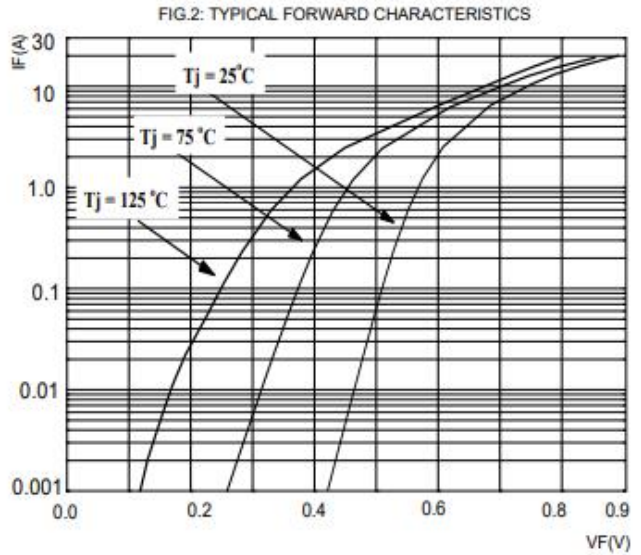
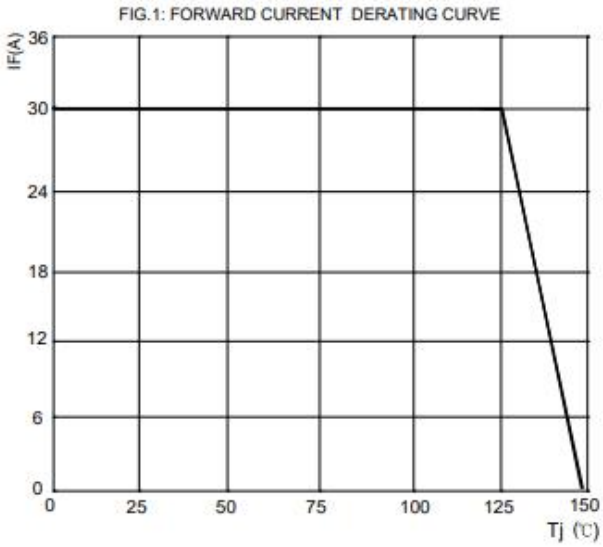
Absolute Maximum Ratings (Ta=25°C Unless otherwise specified)

Parameter	Symbol	WSR20030FCT	Units
Repetitive peak reverse voltage	VRRM	200	V
Average Rectified Output Current @60Hz sine wave, R-load, Ta=25°C	Io	30	A
Surge(Non-repetitive)Forward Current @60Hz half sine-wave, 1cycle, Ta=25°C	IFSM	200	A
Thermal resistance(between junction and case)	Rθ(j-c)	4	°C/W
Junction and Storage Temperature	TJ TSTG	-55 ~ +150	°C

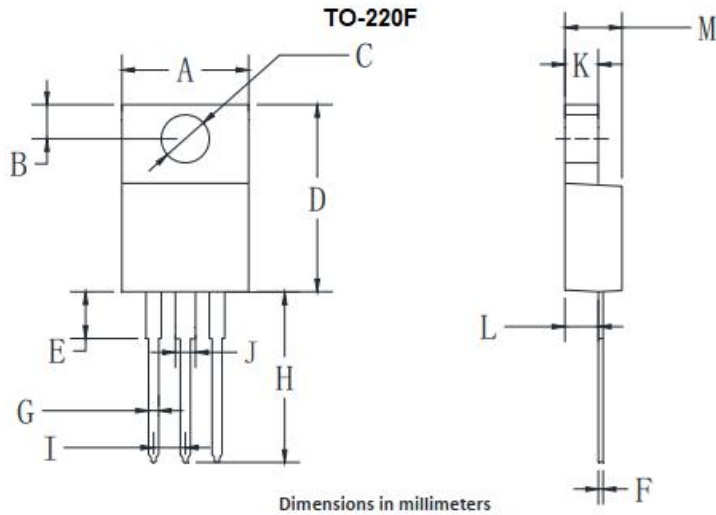
Electronics characteristics (Ta=25°C Unless otherwise specified)

Parameter	Symbol	WSR20030FCT		Units
		Typ	Max	
Maximum instantaneous forward voltage @IF=15A	VF	0.9	0.95	V
Maximum reverse leakage current @VR=VRWM 25°C	IR	/	0.1	mA
@VR=VRWM 125°C		5	/	

Typical characteristics



Outline Drawing



TO-220F		
Dim	Min	Max
A	8.7	10.7
B	2.15	3.25
C	2.6	3.8
D	14.4	15.9
E	3.1	4.5
F	0.4	0.8
G	0.7	0.9
H	12.6	14.2
I	1.8	2.95
J	1.2	1.8
K	2.1	3.56
L	2.1	3.2
M	3.9	5.1

Marking Code

Part Number	WSR20030FCT
Marking Code	MBR30200FCT

Package Information

Quantity per tube: 50pcs

Contact Information

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For additional information, please contact your local Sales Representative.

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*Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.*