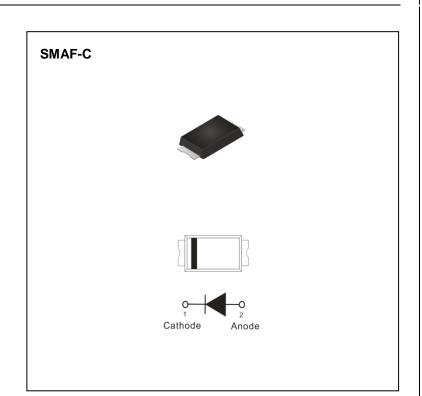


MBR28AFC ~ MBR220AFC Series

Surface Mount Schottky Barrier Rectifier

Sunace would Schollky Damer Recliner						
Voltage	80~200 V	Current	2 A			
Features						
 High surge c High surge c Lead free in 	oss, high efficienc urrent capability apacity compliance with E ng compound as p	EU RoHS 2.0	standard			



Mechanical Data

- Case: Molded plastic, SMAF-C
- Terminals: Solderable per MIL-STD-750, Method 2026
 Approx. Weight: 0.0012 ounces, 0.034 grams

Maximum Ratings and Thermal Characteristics (T_A = 25°C unless otherwise noted)

PARAMETER	SYMBOL	MBR28AFC	MBR29AFC	MBR210AFC	MBR215AFC	MBR220AFC	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	80	90	100	150	200	V
Maximum RMS Voltage	V _{RMS}	56	63	70	105	140	V
Maximum DC Blocking Voltage	V _R	80	90	100	150	200	V
Maximum Average Forward Rectified Current	I _{F(AV)}	2					А
Peak Forward Surge Current : 8.3 ms Single Half Sine-Wave Superimposed On Rated Load	IFSM	50					A
Instantaneous Forward Voltage at 2A	VF	0.8 0.9				.9	V
Reverse Current ^(Note 3)	IR	0.05					mA
Typical Junction Capacitance Measured at 1 MHz And Applied $V_R = 4V$	CJ		75		60	45	pF
(Note 1) Typical Thermal Resistance (Note 2)	Rejl Reja	20 150					°C/W
Operating Junction Temperature Range	TJ	-55 to +150					٥C
Storage Temperature Range	T _{STG}	-55 to +150					°C

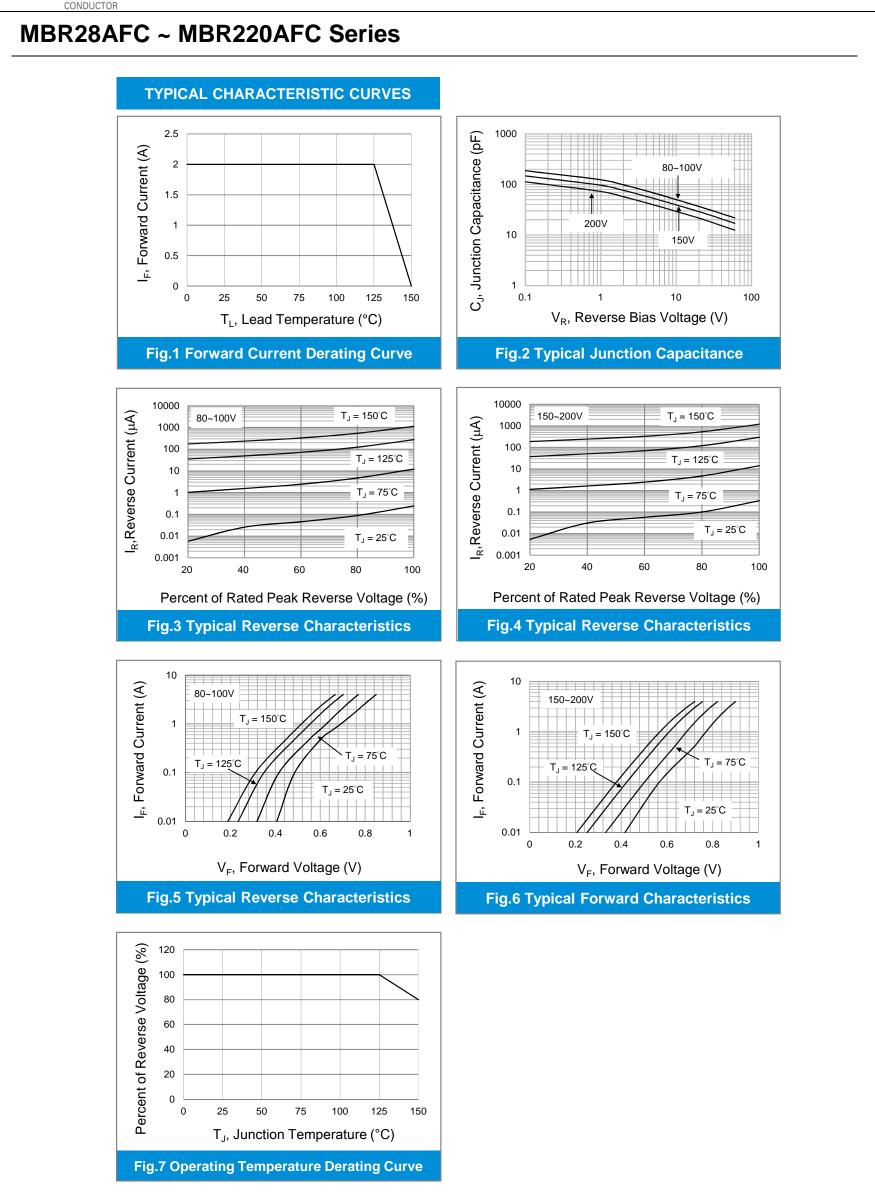
NOTES:

1. Mounted on 48cm² copper pad area

2. Mounted on a FR4 PCB, single-sided copper, standard footprint

3. Short duration pulse test used to minimize self-heating effect





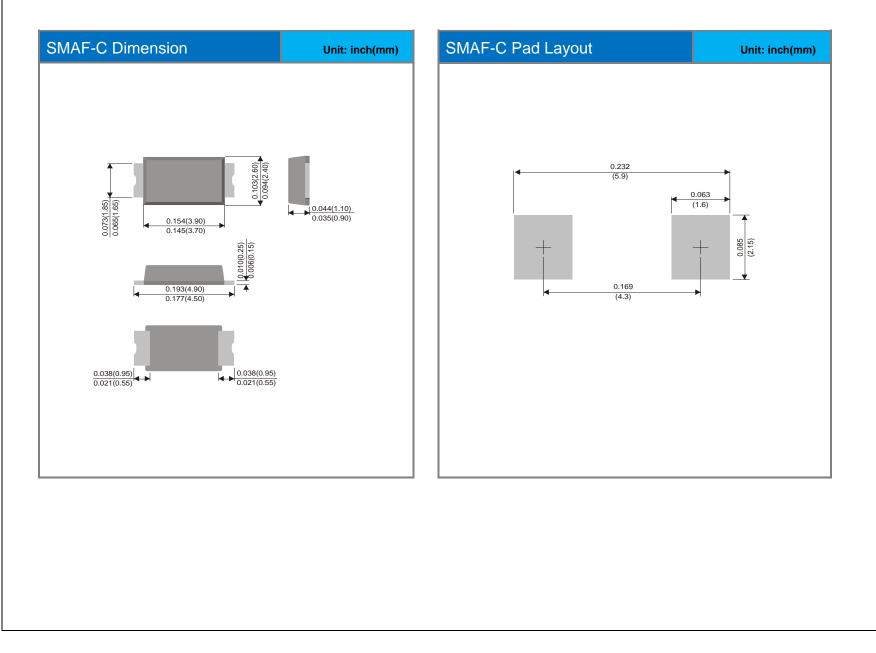


MBR28AFC ~ MBR220AFC Series

Product and Packing Information

Part No.	Package Type	Packing Type	Marking
MBR28AFC	SMAF-C	3K pcs / 7" reel	MBR28
MBR29AFC	SMAF-C	3K pcs / 7" reel	MBR29
MBR210AFC	SMAF-C	3K pcs / 7" reel	MBR210
MBR215AFC	SMAF-C	3K pcs / 7" reel	MBR215
MBR220AFC	SMAF-C	3K pcs / 7" reel	MBR220

Packaging Information & Mounting Pad Layout





MBR28AFC ~ MBR220AFC Series

Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, noninfringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.