

Approx. Weight : 0.0012 ounces, 0.034 grams

### Maximum Ratings and Thermal Characteristics (T<sub>A</sub> = 25°C unless otherwise noted)

PARAMETER	SYMBOL	FR2AAFC	FR2BAFC	FR2DAFC	FR2GAFC	FR2JAFC	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	280	420	V
Maximum DC Blocking Voltage	VR	50	100	200	400	600	V
Maximum Average Forward Rectified Current	IF(AV)	2				А	
Peak Forward Surge Current : 8.3 ms Single Half Sine-Wave Superimposed On Rated Load	IFSM	50					А
Forward Voltage at 2A	VF	1.3				V	
Reverse Current	I <sub>R</sub>	1				uA	
Typical Junction Capacitance Measured at 1 MHz And Applied $V_R = 4V$	CJ	24 14				pF	
Reverse Recovery Time <sup>(Note 1)</sup>	T <sub>RR</sub>	150 250				250	ns
(Note 2) Typical Thermal Resistance (Note 3)	R <sub>θJL</sub> R <sub>θJA</sub>	22 150					°C/W
Operating Junction Temperature Range	TJ	-55 to +150					°C
Storage Temperature Range	Тѕтс	-55 to +150				°C	

#### NOTES:

1. Reverse Recovery Test Conditions: I\_F=0.5A, I\_R=1A, Recover to 0.25A

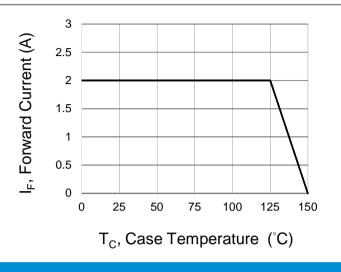
2. Mounted on a FR4 PCB, single-sided copper, with  $100 \text{cm}^2$  copper pad area.

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

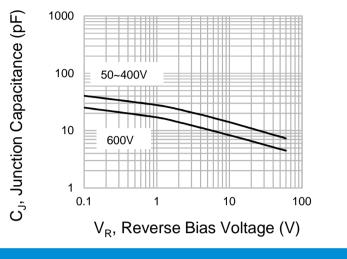


# FR2AAFC ~ FR2JAFC Series

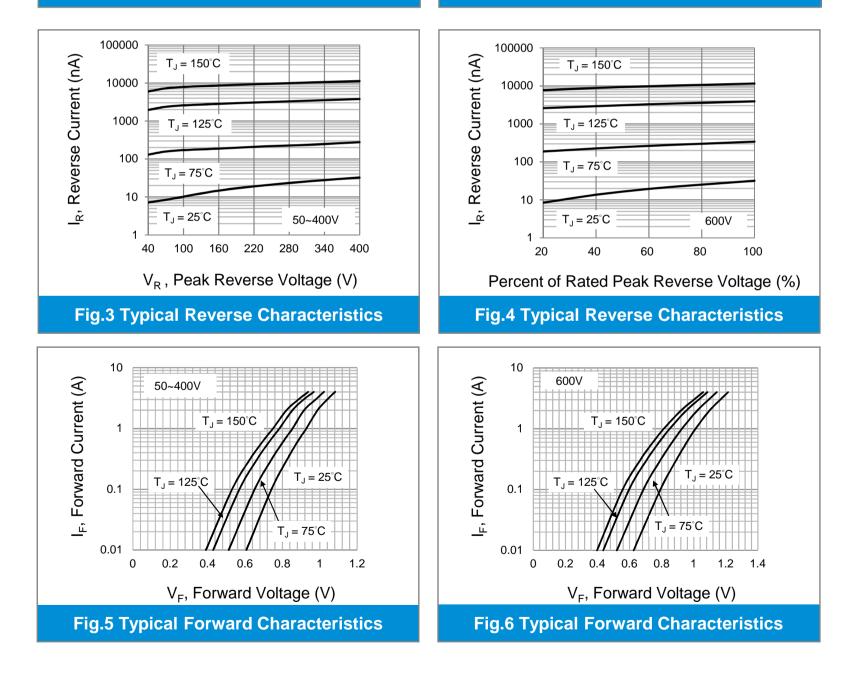
# **RATING AND CHARACTERISTIC CURVES**



# Fig.1 Forward Current Derating Curve







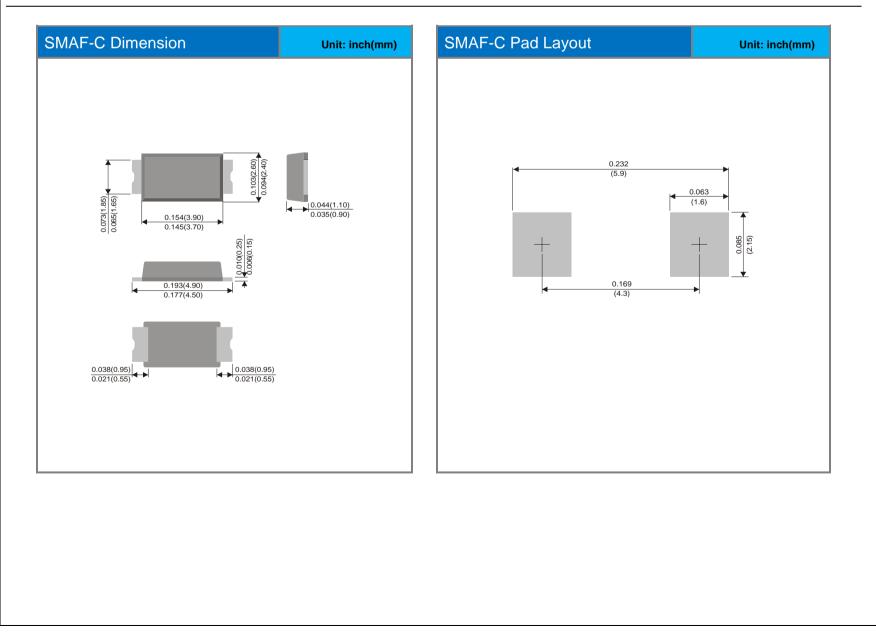


# **F**R2AAFC ~ FR2JAFC Series

## Part No. Packing Code Version

Part No. Packing Code	Package Type	Packing Type	Marking	Version
FR2AAFC_R1_00001	SMAF-C	3K pcs / 7" reel	FR2A	Halogen free
FR2BAFC_R1_00001	SMAF-C	3K pcs / 7" reel	FR2B	Halogen free
FR2DAFC_R1_00001	SMAF-C	3K pcs / 7" reel	FR2D	Halogen free
FR2GAFC_R1_00001	SMAF-C	3K pcs / 7" reel	FR2G	Halogen free
FR2JAFC_R1_00001	SMAF-C	3K pcs / 7" reel	FR2J	Halogen free

#### Packaging Information & Mounting Pad Layout





# FR2AAFC ~ FR2JAFC Series

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