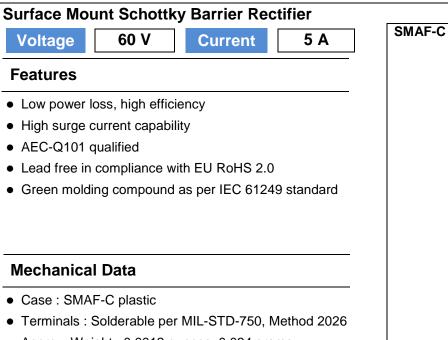
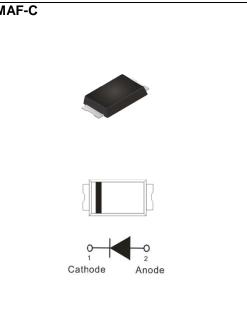
ΡΛΝ	JIT
	SEMI
	CONDUCTOR





- Approx. Weight : 0.0012 ounces, 0.034 grams

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

PARAMETER	SYMBOL	LIMIT	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	60	V
Maximum RMS Voltage	Vrms	42	V
Maximum DC Blocking Voltage	VDC	60	V
Maximum Average Forward Rectified Current	IF(AV)	5	А
Peak Forward Surge Current : 8.3 ms single half sine- wave superimposed on rated load per diode	I _{FSM}	100	A
Typical Junction Capacitance Measured at 1 MHz And Applied $V_R = 4V$	CJ	190	pF
(Note 1)	Reja	150	
Typical Thermal Resistance per diode (Note 2)	Rejc	20	٥C/W
(Note 2)	R _{θJL}	15	
Operating Junction Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Тѕтс	-55 to +150	٥C



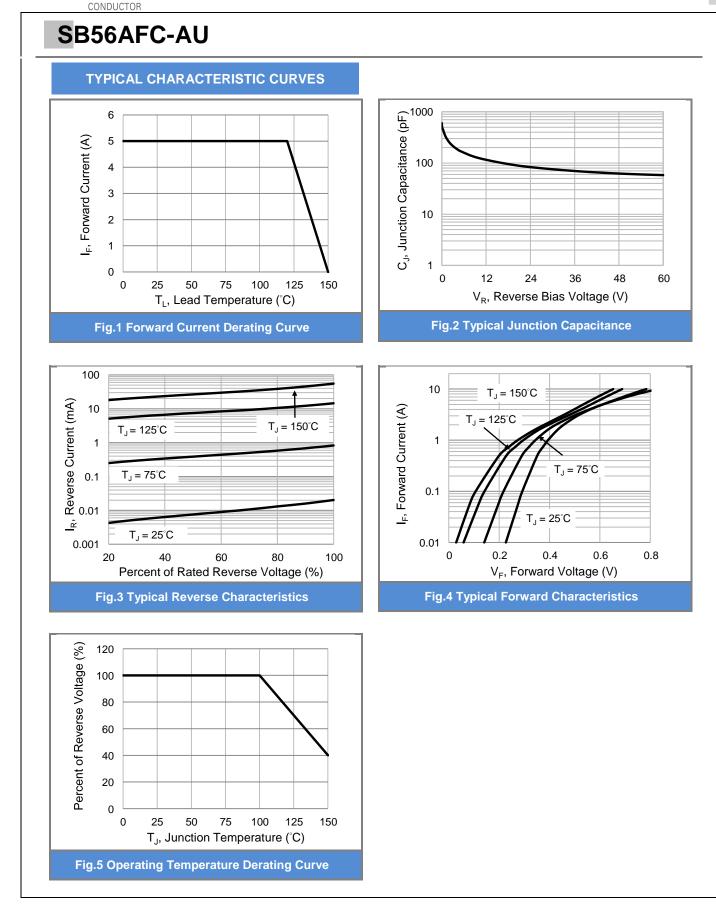
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Electrical Characteristics (T_A = 25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Instantaneous Forward Voltage	VF	$I_F = 1 \text{ A}, T_J = 25 ^{\circ}\text{C}$	-	0.39	-	V
		I _F = 2 A, T _J = 25 °C	-	0.46	-	
		I _F = 5 A, T _J = 25 °C	-	-	0.66	
		I _F = 1 A, T _J = 125 °C	-	0.3	-	
		I _F = 2 A, T _J = 125 °C	-	0.35	-	
		I _F = 5 A, T _J = 125 °C	-	0.57	-	
Reverse Current ^(Note 3)	I _R	V _R = 48 V, T _J = 25 °C	-	13	-	uA
		V _R = 60 V, T _J = 25 °C	-	-	100	
		V _R = 60 V, T _J = 100 °C	-	-	20	mA

NOTES:

- 1. Mounted on a FR-4 PCB recommended pad layout
- 2. Mounted on a FR4 PCB, single-sided copper, standard footprint
- 3. Short duration pulse test used to minimize self-heating effect



PANJ

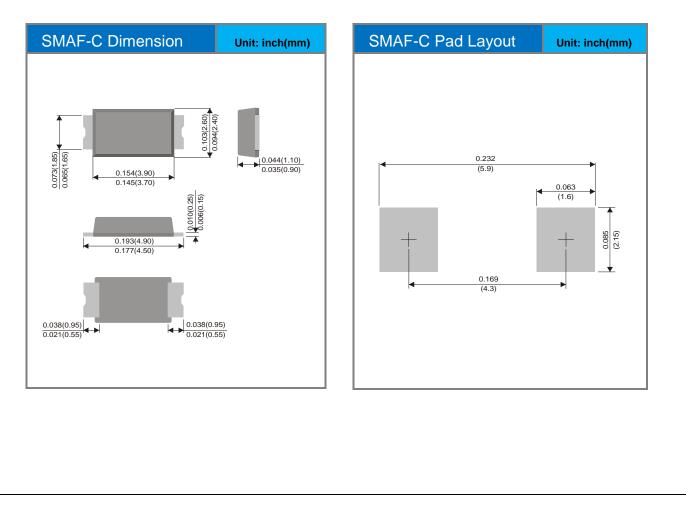
SEM



Part No. Packing Code Version

Part No. Packing Code	Package Type	Packing Type	Marking	Version
SB56AFC-AU_R1_000A1	SMAF-C	3K pcs / 7" reel	SB56	Halogen free

Packaging Information & Mounting Pad Layout





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