

Approx. Weight: 0.0023 ounces, 0.0679 grams

Maximum Ratings and Thermal Characteristics (T_A = 25^oC unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS
Maximum Recurrent Peak Reverse Voltage	Vrrm	60	V
Maximum RMS Voltage	V _{RMS}	42	V
Maximum DC Blocking Voltage	V _{DC}	60	V
Maximum Average Forward Rectified Current	I _{F(AV)}	1	А
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load per diode	I _{FSM}	30	A
Typical Junction Capacitance Measured at 1 MHz And Applied $V_R = 4V$	CJ	50	pF
Typical Thermal Resistance per diode	R _{θJA} ⁽¹⁾ R _{θJA} ⁽²⁾ R _{θJL} ⁽²⁾	150 88 28	°C/W
Operating Junction Temperature Range	TJ	-55 to +150	٥C
Storage Temperature Range	Tstg	-55 to +150	°C



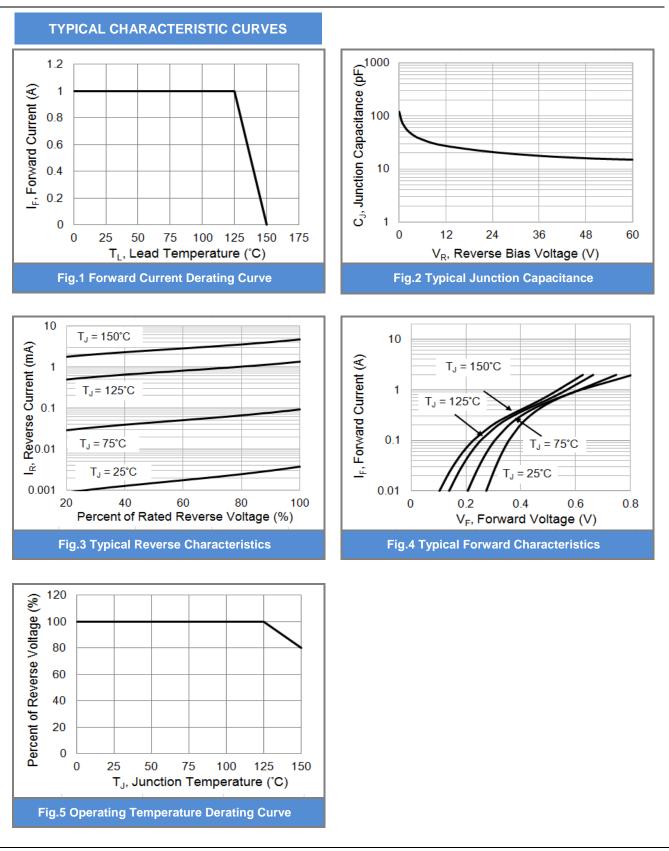
Electrical Characteristics (T_A = 25^oC unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS	
Instantaneous forward voltage	VF	I _F = 0.5 A, T _J = 25 °C	-	0.49	-	V	
		$I_F = 1 \text{ A}, T_J = 25 ^{\circ}\text{C}$	-	-	0.7		
		I _F = 0.5 A, T _J = 125 °C	-	0.45	-		
		I _F = 1 A, T _J = 125 °C	-	0.57	-		
Reverse current	I _R ⁽³⁾	V _R = 48 V, T _J = 25 °C	-	2.5	-	uA	
		V _R = 60 V, T _J = 25 °C	-	-	100		
		V _R = 60 V, T _J = 100 °C	-	-	5	mA	

NOTES:

- 1. Mounted on a FR4 PCB, single-sided copper, mini pad
- 2. Mounted on a FR4 PCB, single-sided copper, with 100 cm² copper pad area
- 3. Short duration pulse test used to minimize self-heating effect



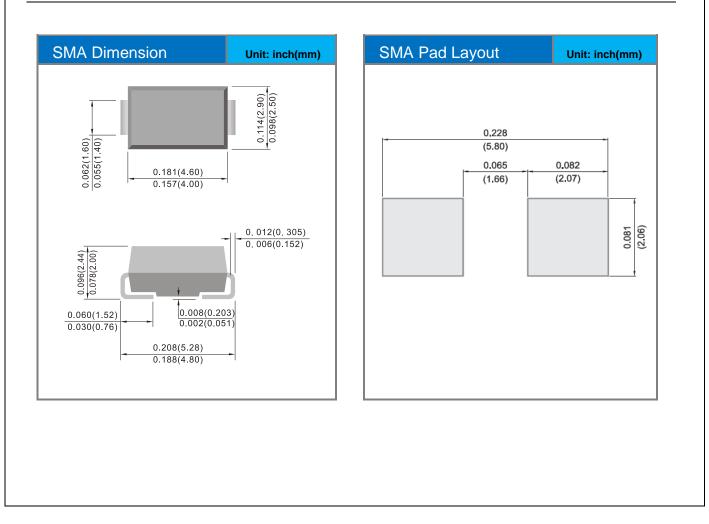




Product and Packing Information

Part No.	Package Type	Packing Type	Marking	
SS16-AU	SMA	7500 pcs / 13" reel	SS16	

Packaging Information & Mounting Pad Layout





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