

S2AA THRU S2MA

SURFACE MOUNT GENERAL RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 2.0 Ampere

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Low reverse leakage
- Built-in strain relief, ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds at terminals

MECHANICAL DATA

Case: JEDEC DO-214AC molded plastic body

Terminals: Solder plated, solderable per MIL-STD-750,

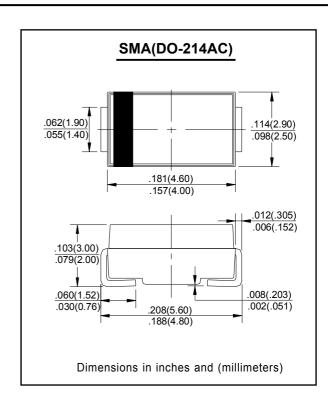
Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.003 ounce, 0.093 grams





Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Characteristic	Symbol	S2AA	S2BA	S2DA	S2GA	S2JA	S2KA	S2MA	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _L = 110°	C Io	2.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	60					А		
Forward Voltage @I _F = 2.0A	VFM	1.10						V	
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 125^{\circ}C$	I IRM	5.0 50							μΑ
Typical Junction Capacitance (Note 2)			15						
Typical Thermal Resistance (Note 3)	R⊕JL		16						
Operating and Storage Temperature Range	Tj, Tstg	-55 to +150°C						°C	

- Note: 1. Measured with $I_F = 0.5A$, $I_R = 1.0A$, $I_{rr} = 0.25A$,
 - 2. Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC.
 - 3. Mounted on P.C. Board with 8.0mm² land area.



S2AA THRU S2MA RATINGS AND CHARACTERISTIC CURVES

