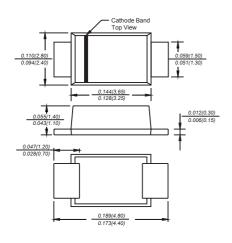
S2AF THRU S2MF



SURFACE MOUNT GENERAL RECTIFIER

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

SMAF



Dimensions in inches and (millimeters)

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 guarantéed: 260°C/10 seconds at terminals
- Glass passivated chip junction

MECHANICAL DATA

Case: JEDEC SMAF molded plastic body over passivated chip **Terminals**: Solder plated, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.0014 ounce, 0.038 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

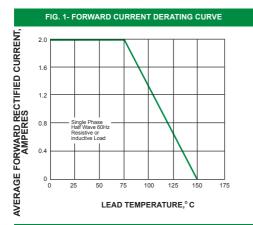
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

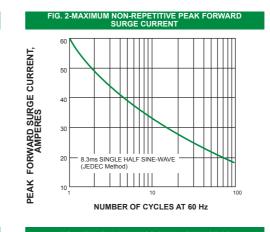
	SYMBOLS	S2AF	S2BF	S2DF	S2GF	S2JF	S2KF	S2MF	UNITS
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current	I(AV)	2.0							Amps
at TL=75°C	I(AV)								
Peak forward surge current									
8.3ms single half sine-wave superimposed on	IFSM	IFSM 60.0							Amps
rated load (JEDEC Method)									
Maximum instantaneous forward voltage at 2.0A	VF	1.1							Volts
Maximum DC reverse current Ta=25℃		5.0 50.0							μА
at rated DC blocking voltage Ta=100℃	lR								
Typical junction capacitance (NOTE 1)	Сл	30.0						pF	
Typical thermal resistance (NOTE 2)	Reja	95.0						°C/W	
Operating junction and storage temperature range	ТЈ,Тѕтс	-55 to +150						°C	

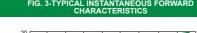
Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

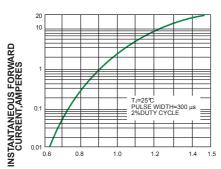


RATINGS AND CHARACTERISTIC CURVES S2A F THRU S2MF

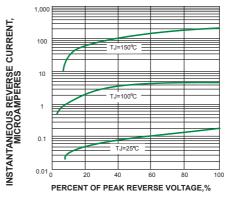




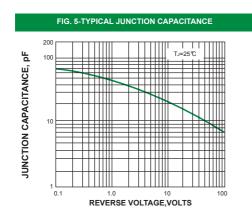


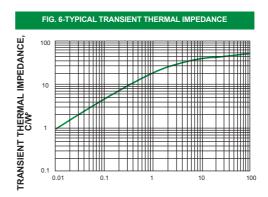






INSTANTANEOUS FORWARD VOLTAGE,





t,PULSE DURATION,sec.