S1AF THRU S1MF

SURFACE MOUNT GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage – 50 to 1000 V

Forward Current - 1 A

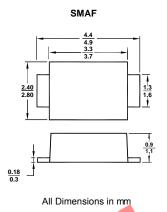
Features

- Glass Passivated Chip Juntion
- For surface mount applications
- · Low profile package
- · Easy pick and place

Mechanical Data

• Case: SMAF

 Terminals: Solderable per MIL-STD-750, method 2026



Maximum Ratings and Electrical Characteristics

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

Parameter	Symbols	S1AF	S1BF	S1DF	S1GF	S1JF	S1KF	S1MF	Units
	Marking	S1A	S1B	S1D	S1G	S1J	S1K	S1M	-
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	٧
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current at T _a = 65°C	I _{F(AV)}	1							Α
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	I _{FSM} 30						Α	
Maximum Forward Voltage at 1 A	V _F	V _F 1.1						V	
$ \begin{array}{llllllllllllllllllllllllllllllllllll$								μΑ	
Typical Junction Capacitance at $V_R = 4 \text{ V}$, $f = 1 \text{ MHz}$	C _J	4						pF	
Typical Thermal Resistance 1)	$R_{\theta JA}$	180						°C/W	
Operating and Storage Temperature Range	T_j , T_{stg}	- 55 to + 150							°C

 $^{^{1)}}$ P.C.B. mounted with 0.2 X 0.2" (5 X 5 mm) copper pad areas.



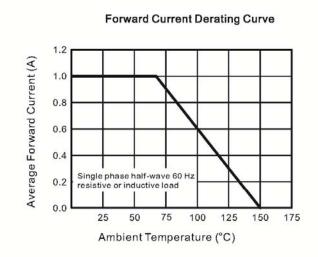


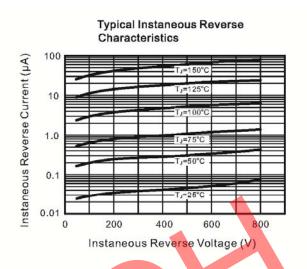




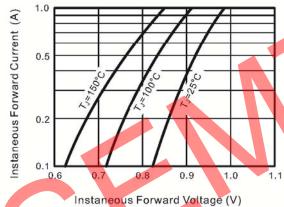


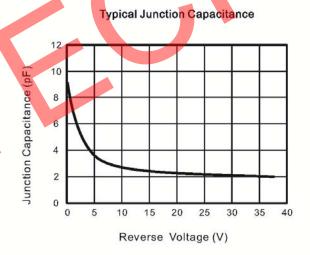






Typical Forward Characteristic

















X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Diodes - General Purpose, Power, Switching category:

Click to view products by SLKORMICRO manufacturer:

Other Similar products are found below:

MCL4151-TR3 MMBD3004S-13-F RD0306T-H RD0506LS-SB-1H RGP30G-E373 DSE010-TR-E BAQ333-TR BAQ335-TR BAQ33-GS18 BAS1602VH6327XT BAV17-TR BAV19-TR BAV301-TR BAW27-TAP HSC285TRF-E NSVBAV23CLT1G NTE525 1SS181-TP 1SS193,LF 1SS193-TP 1SS400CST2RA SBAV99LT3G SDAA13 LL4448-GS18 SHN2D02FUTW1T1G LS4150GS18 LS4151GS08 SMMBD7000LT3G FC903-TR-E 1N4449 1N4934-E3/73 1SS226-TP APT100DL60HJ RFUH20TB3S RGP30G-E354 RGP30M-E3/73 D291S45T MCL4151-TR BAS 16-02V H6327 BAS 21U E6327 BAS 28 E6327 BAS33-TAP BAS 70-02V H6327 BAV300-TR BAV303-TR3 BAW27-TR BAW56DWQ-7-F BAW56M3T5G BAW75-TAP