SHANGHAI SUNRISE ELECTRONICS CO., L

SIAB THRU SIMB SURFACE MOUNT GLASS PASSIVATED RECTIFIER

TECHNICAL SPECIFICATION

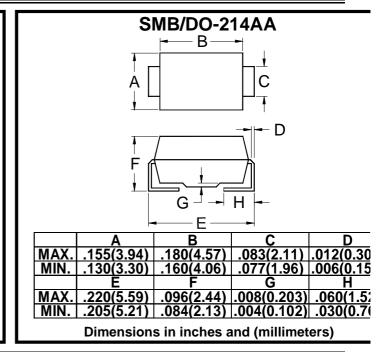
VOLTAGE: 50 TO 1000V CURRENT: 1.0A

FEATURES

- Ideal for surface mount pick and place application
- Low profile package
- Built-in strain relief
- High surge capability
- High temperature soldering guaranteed: 260°C/10sec/at terminal

MECHANICAL DATA

- Terminal: Plated leads solderable per MIL-STD 202E, method 208C
- Case: Molded with UL-94 Class V-O recognized flame retardant epoxy
- Polarity: Color band denotes cathode



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Single-phase, half-wave,60Hz, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive derate current by 20%)

RATINGS	SYMBOL	S1AB	S1BB	S1DB	S1GB	S1JB	S1KB	S1MB
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000
Maximum Average Forward Rectified Curre	nt				1.0			
(T _L =100°C)	I _{F(AV)}				1.0			
Peak Forward Surge Current (8.3ms single					30			
half sine-wave superimposed on rated load)	I _{FSM}	30						
Maximum Instantaneous Forward Voltage	V _F	1.1						
(at rated forward current)	۷F				1.1			
Maximum DC Reverse Current T _a =25 ⁶	°C ,				5.0			
(at rated DC blocking voltage) $T_a=125^{\circ}$	°C				200			
Typical Junction Capacitance (Note	1) C _J	15						
Typical Thermal Resistance (Note	2) R _θ (ja)				30			
Storage and Operation Junction Temperatu	e T _{STG} ,T _J			-6	65 to +1	50		
Noto:								

Note:

1.Measured at 1.0 MHz and applied voltage of $4.0 V_{\rm dc}$

2.Thermal resistance from junction to terminal mounted on 5×5mm copper pad area

http://www.sse-diode

.TD.

TECHNICAL SPECIFICATION

	S	MB/DO-2	14AA	
	Δ	В	C	
MAX.	A .155(3.94)	180(4.57)	.083(2.11)	.012(0.305)
MIN.	.130(3.30)	.160(4.06)	.077(1.96)	.006(0.152)
	E E	F	G	Η
MAX.	.220(5.59)	.096(2.44)	.008(0.203)	.060(1.52)
MIN.	.205(5.21)	.084(2.13)	.004(0.102)	.030(0.76)
	Dimension	s in inches a	and (millimet	ers)
			1	,

load,

UNITS
V
V
V
А
А
V
μΑ
μΑ
рF
°C/W
°C

e.com