



S2A THRU S2M

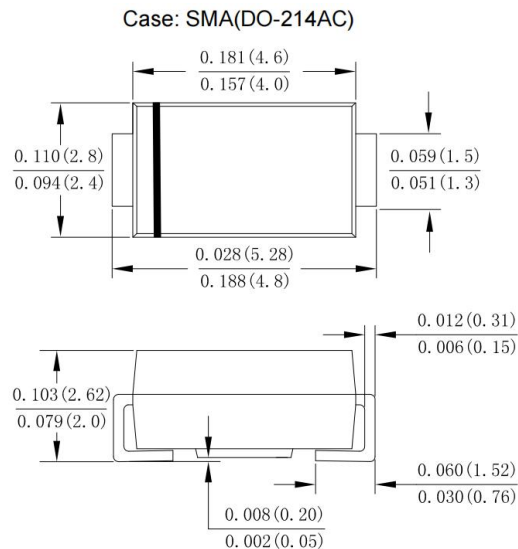
2.0AMP Surface Mount Glass Recovery Rectifier

FEATURES

- * For surface mounted application
- * Low forward voltage drop
- * High current capability
- * High reliability

MECHANICAL DATA

- * Case: Molded plastic SMA
- * Polarity: Color band dentes cathode end
- * Mounting position: Any
- * Making: Type Number



MAXIMUM RATINGS(Ta=25℃ Unless otherwise specified)

Rating at 25℃ ambient temperature unless otherwise specified
Single phase, half wave, 60Hz, resistive or inductive load
For capacitive load derate current by 20%

TYPE NUMBER	SYMBOL	S2A	S2B	S2D	S2G	S2J	S2K	S2M	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V DC	50	100	200	400	600	800	1000	V
Average Rectified Output Current @TL=100 °C	IF (AV)	2.0							A
Peak Forward Surge Current 8.3ms Single half sine -wave superimposed on rated load (JEDEC Method)	IFSM	60							A
Rating for fusing (t<8.3ms)	I 2 t	14.94							A 2 s
Forward Voltage @IF=2.0A	VFM	1.0							V
Peak Reverse Current @TA =25 °C	IR	5.0							uA
At Rated DC Blocking Voltage @TA =125 °C		200							
Typical Junction Capacitance (Note 1)	CJ	12							pF
Typical Thermal Resistance Junction to Ambient	RθJA	113							°C/W
	RθJL	22							
	RθJC	23							
Operating Temperature Range	TJ	-55 to+150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

Note:

1. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C



S2A THRU S2M

2.0AMP Surface Mount Glass Recovery Rectifier

■ TYPICAL CHARACTERISTICS

Fig. 1 Forward Current Derating Curve

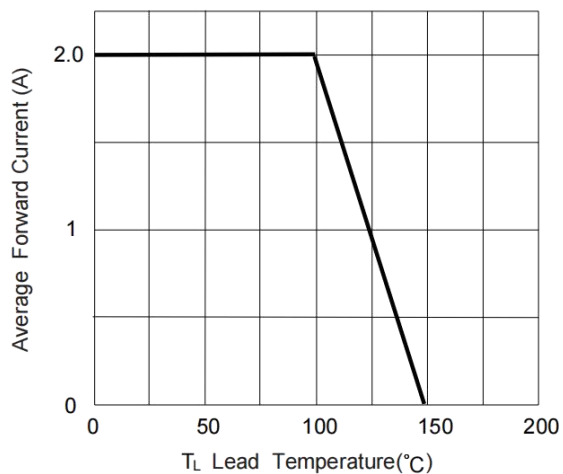


Fig. 2 Typ. Forward Characteristics

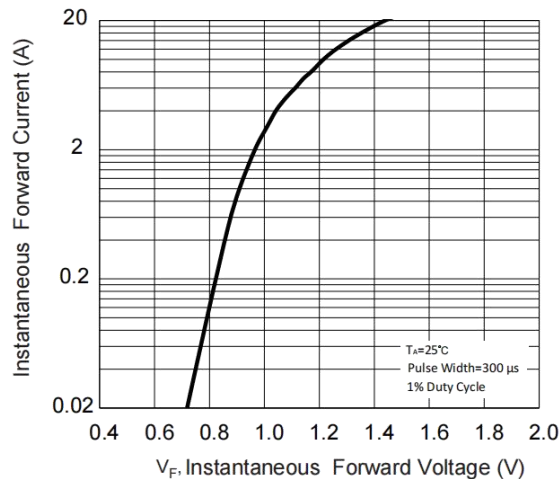


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

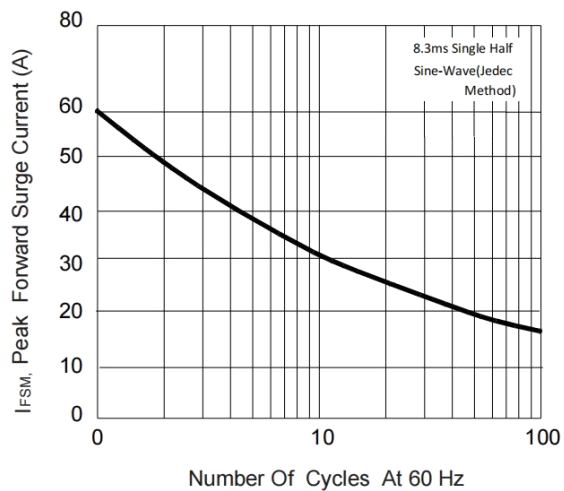


Fig.4 Typical Reverse Characteristics

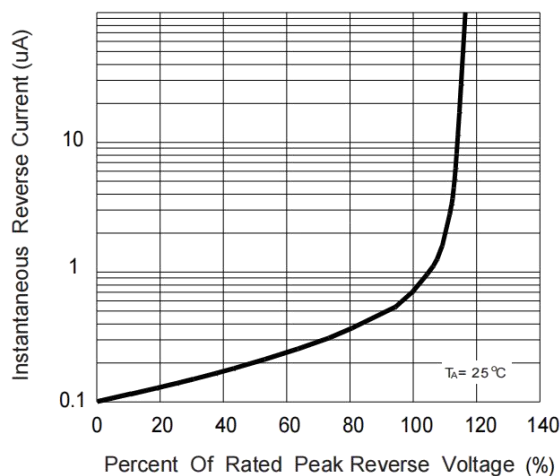


Fig.5 Mounting PAD Layout

