



Features

- ∻ For surface mounted application
- ∻ Glass passivated junction chip.
- ∻ Low forward voltage drop
- ∻ High current capability
- ∻ Easy pick and place
- ∻ High surge current capability
- ∻ Plastic material used carries Underwriters Laboratory Classification 94V-0
- ∻ High temperature soldering: 260°C / 10 seconds at terminals

Mechanical Data

- ∻ Case: Molded plastic
- ∻ Terminals: Pure tin plated, lead free.
- ∻ Polarity: Indicated by cathode band
- ∻ Packaging: 12mm tape
- ∻ Weight: 0.093 gram

Maximum Ratings and Electrical Characteristics

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

V		S2B	S2D	S2G	S2J	S2K	S2M	Units
V _{RRM}	50	100	200	400	600	800	1000	V
V _{RMS}	35	70	140	280	420	560	700	V
V _{DC}	50	100	200	400	600	800	1000	V
I _(AV)	2.0						А	
I _{FSM}	50							A
V_{F}	1.15						V	
I _R	5.0 125						uA uA	
Trr	1.5						uS	
Cj	30						рF	
R _{θJL} R _{θJA}	16 53						°C/W	
TJ	-55 to +150						°C	
Тѕтс	-55 to +150						°C	
	V _{DC} I _(AV) I _{FSM} V _F I _R Trr Cj R _{0JL} R _{0JA} T _J Tstg	$\begin{array}{c c} V_{DC} & 50 \\ \hline V_{DC} & 50 \\ \hline I_{(AV)} \\ \hline I_{FSM} \\ \hline V_{F} \\ \hline V_{F} \\ \hline I_{R} \\ \hline Trr \\ Cj \\ \hline Cj \\ \hline R_{\theta,JA} \\ \hline T_{J} \\ \hline T_{STG} \\ \hline \end{array}$	Nucl Image: Second state	NMC I I I V_{DC} 50 100 200 $I_{(AV)}$ I I I I_{FSM} I I I V_F I I I I_R I I I G_j I I I $R_{\theta JL}$ I I I T_J I I I	$\begin{array}{c c c c c c c c c } \hline V_{DC} & 50 & 100 & 200 & 400 \\ \hline V_{DC} & 50 & 100 & 200 & 400 \\ \hline I_{(AV)} & & & & & & & \\ \hline I_{FSM} & & & & & & & & \\ \hline V_F & & & & & & & & & \\ \hline V_F & & & & & & & & & & \\ \hline V_F & & & & & & & & & & \\ \hline I_R & & & & & & & & & & & \\ \hline I_R & & & & & & & & & & & \\ \hline I_R & & & & & & & & & & & & \\ \hline I_R & & & & & & & & & & \\ \hline I_R & & & & & & & & & & \\ \hline I_R & & & & & & & & & & & \\ \hline I_R & & & & & & & & & & & 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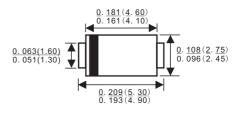
2. Measured at 1 MHz and Applied V_R=4.0 Volts

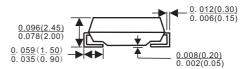
3. Measured on P.C. Board with 0.4" x 0.4" (10mm x 10mm) Copper Pad Areas.

S2A - S2M 2.0 AMPS. Surface Mount Rectifiers



SMA/DO-214AC





Dimensions in inches and (millimeters)

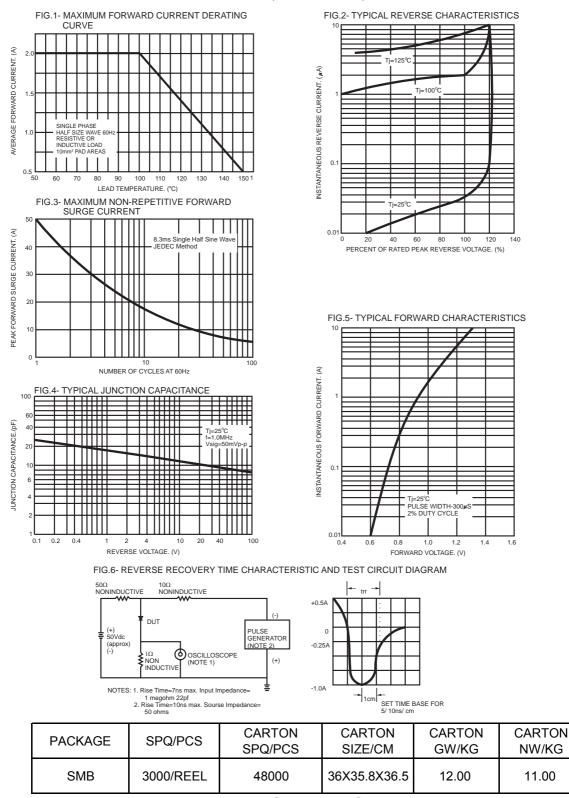


S2A - S2M

2.0 AMPS. Surface Mount Rectifiers



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