

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 , derate current by 20%.

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SYMBOL	S2A	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 _{F(AV)}	2					А		
I _{fsm}	60					A		
I _{fsm}	130					A		
V _F	1.1				V			
I _R	1 125				μA			
C	30					рF		
R _{ejl}	16				°C / W			
T _J ,T _{stg}	-55 to +150				°C			
	V _{RRM} V _{RMS} V _{DC} I _{F(AV)} I _{FSM} V _F I _R C _J R _{0JL}	$ \begin{array}{c c} V_{RRM} & 50 \\ V_{RMS} & 35 \\ V_{DC} & 50 \\ I_{F(AV)} \\ I_{FSM} \\ I_{FSM} \\ V_{F} \\ I_{R} \\ C_{J} \\ R_{\theta JL} \\ \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	V _{RRM} 50 100 200 V _{RMS} 35 70 140 V _{DC} 50 100 200 I _{F(AV)} 50 100 200 I _{FSM} - - - I _{FSM} - - - I _{FSM} - - - I _R - - - I _R - - - R _{0JL} - - -	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c } V_{RRM} & 50 & 100 & 200 & 400 & 600 & 800 \\ \hline V_{RMS} & 35 & 70 & 140 & 280 & 420 & 560 \\ \hline V_{DC} & 50 & 100 & 200 & 400 & 600 & 800 \\ \hline I_{F(AV)} & & & & & & \\ \hline I_{FSM} & & & & & & & \\ \hline & & & & & & & & \\ \hline I_{FSM} & & & & & & & & \\ \hline & & & & & & & & & \\ \hline V_{F} & & & & & & & & & \\ \hline & & & & & & & & &$	$\begin{array}{c c c c c c c } V_{RM} & 50 & 100 & 200 & 400 & 600 & 800 & 1000 \\ \hline V_{RMS} & 35 & 70 & 140 & 280 & 420 & 560 & 700 \\ \hline V_{DC} & 50 & 100 & 200 & 400 & 600 & 800 & 1000 \\ \hline I_{F(AV)} & & & & & & & \\ \hline I_{FSM} & & & & & & & & & \\ \hline I_{FSM} & & & & & & & & & & \\ \hline V_{F} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & & \\ \hline I_{R} & & & & & & & & & & & & & & & & & & &$

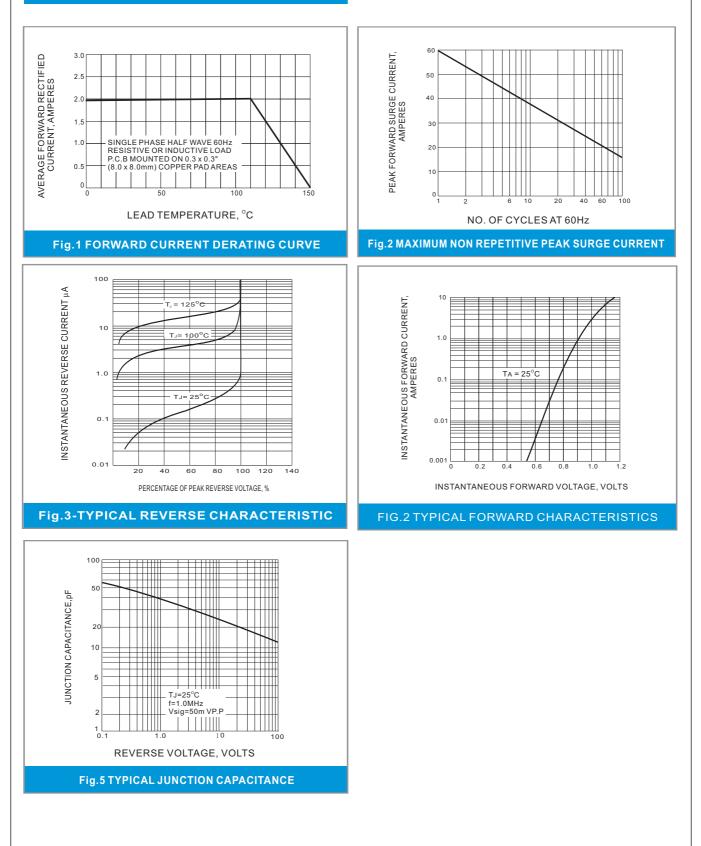
NOTES :

1.Measured at 1MHZ and applied $V_{\text{R}}\text{=}4$ volts.

 $2.8 \times 8 \text{mm}^2 \text{ pads}.$



RATING AND CHARACTERISTIC CURVES



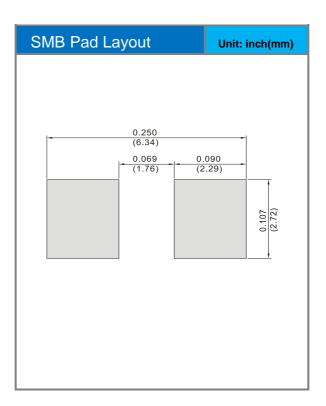


Product and Packing Information

Part No.	Package Type	Packing Type	Marking	
S2A	SMB	0.8K pcs / 7" reel	S2A	
S2A	SMB	3K pcs / 13" reel	S2A	
S2B	SMB	0.8K pcs / 7" reel	S2B	
S2B	SMB	3K pcs / 13" reel	S2B	
S2D	SMB	0.8K pcs / 7" reel	S2D	
S2D	SMB	3K pcs / 13" reel	S2D	
S2G	SMB	0.8K pcs / 7" reel	S2G	
S2G	SMB	3K pcs / 13" reel	S2G	
S2J	SMB	0.8K pcs / 7" reel	S2J	
S2J	SMB	3K pcs / 13" reel	S2J	
S2K	SMB	0.8K pcs / 7" reel	S2K	
S2K	SMB	3K pcs / 13" reel	S2K	
S2M	SMB	0.8K pcs / 7" reel	S2M	
S2M	SMB	3K pcs / 13" reel	S2M	



Mounting Pad Layout





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