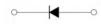
Features

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Super fast recovery time for high speed switching







Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)			
S3x	SMC	S3x	3000			

x: From to A-M

Maxmim Ratings (Ta=25 unless otherwise noted)

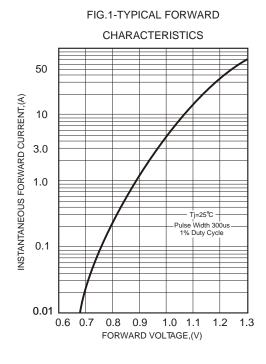
Type Number	S3A	S3B	S3D	S3G	S3J	S3K	S3M	Units
Maximum Recurrent Peak Reverse Voltage		100	200	400	600	800	1000	V
Maximum RMS Voltage		70	140	280	420	560	700	V
Maximum DC Blocking Voltage		100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current								
At TL=75°C		3.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		100						
Maximum Instantaneous Forward Voltage at 3.0A		1.10						
Maximum DC Reverse Current Ta=25°C		5.0						
at Rated DC Blocking Voltage Ta=125°C		250						
Typical Junction Capacitance (Note1)		60						
Typical Thermal Resistance R JL (Note 2)		13						
Operating and Storage Temperature Range Тл, Тsтс		-65—+150						°C

NOTES:

- 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
- 2. Thermal Resistance Junction to Lead.



Typical Characteristics



Tj=25°C

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FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

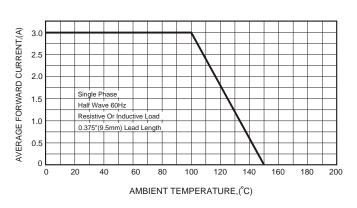
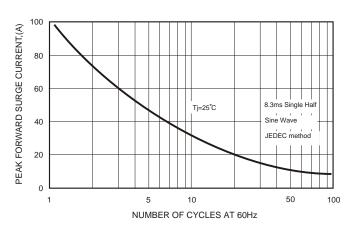
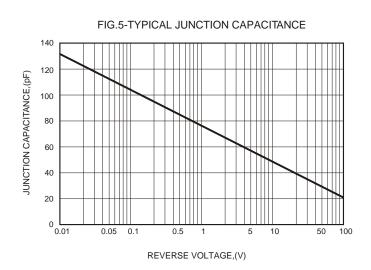


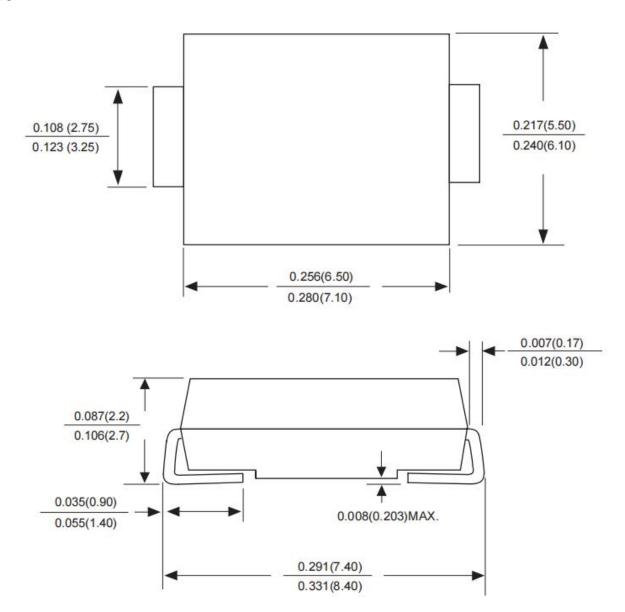
FIG.4-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT







Package Outline Dimensions SMC



Dimensions in inches and (millimeters)



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