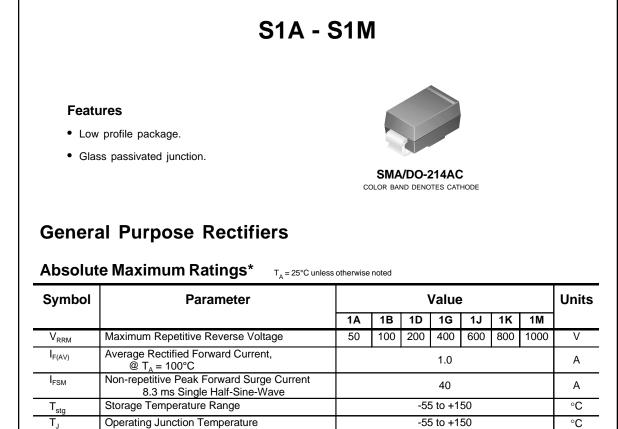
S1A-S1M



\*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

## **Thermal Characteristics**

Symbol	Parameter	Value	Units
P <sub>D</sub>	Power Dissipation	1.4	W
$R_{ ext{ hetaJA}}$	Thermal Resistance, Junction to Ambient*	85	°C/W

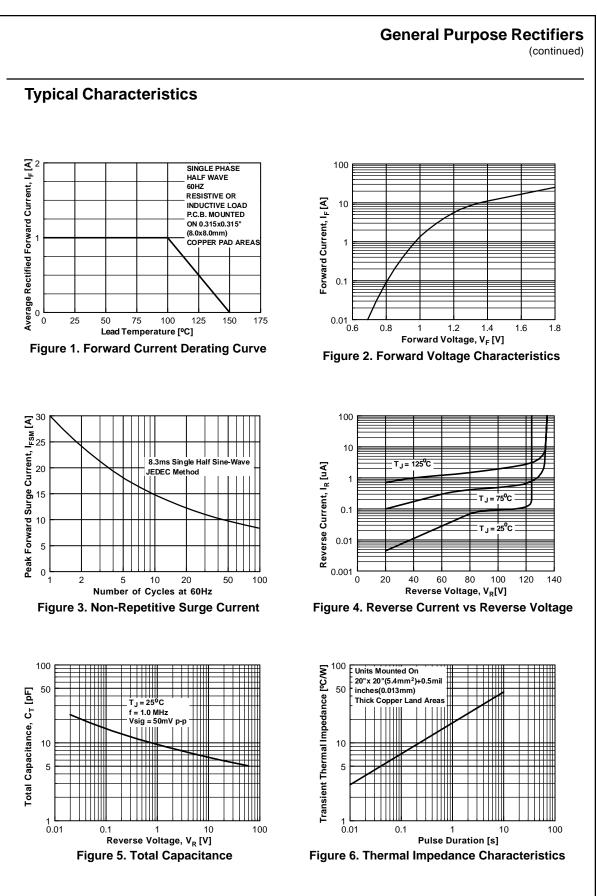
\*Device mounted on FR-4 PCB 0.013 mm.

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# **Electrical Characteristics** $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter		Device							Units
			1A	1B	1D	1G	1J	1K	1M	
V <sub>F</sub>	Forward Voltage @ 1.0 A					1.1				V
t <sub>rr</sub>	Reverse Recovery Time $I_F = 0.5 \text{ A}, I_R = 1.0 \text{ A}, I_{rr} = 0.2$	5 A				1.8				μs
I <sub>R</sub>	Reverse Current @ rated V <sub>R</sub>	T <sub>A</sub> = 25°C T <sub>A</sub> = 125°C				1.0 50				μΑ μΑ
C <sub>T</sub>	Total Capacitance $V_{R} = 4.0 \text{ V}, \text{ f} = 1.0 \text{ MHz}$					12				pF

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S1A-S1M

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