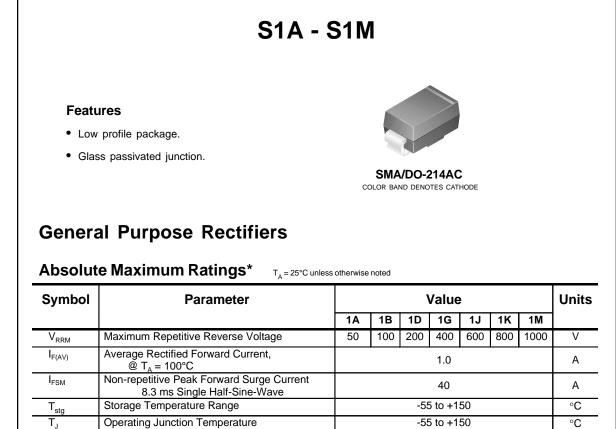
S1A-S1M



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

## **Thermal Characteristics**

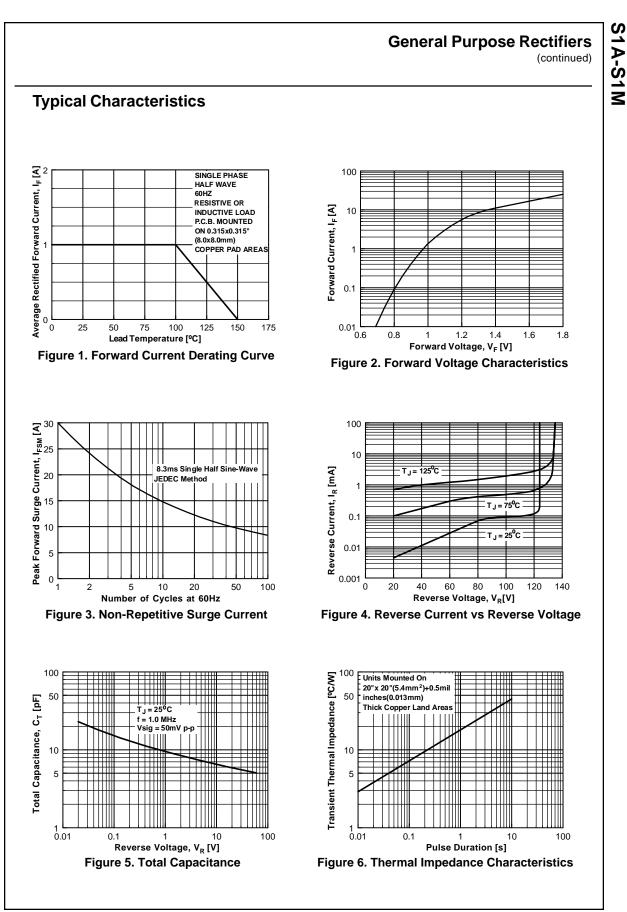
Symbol	Parameter	Value	Units	
P <sub>D</sub>	Power Dissipation	1.4	W	
$R_{ ext{ hetaJA}}$	Thermal Resistance, Junction to Ambient*	85	°C/W	

\*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						
		1A	1B	1D	1G	1J	1K	1M	1
V <sub>F</sub>	Forward Voltage @ 1.0 A				1.1		•		V
t <sub>rr</sub>	Reverse Recovery Time $I_F = 0.5 \text{ A}, I_R = 1.0 \text{ A}, I_{rr} = 0.25 \text{ A}$		1.8					μs	
I <sub>R</sub>	Reverse Current @ rated V <sub>R</sub> T <sub>A</sub>	<sub>A</sub> = 25°C <sub>A</sub> = 125°C	1.0 50				μA μA		
C <sub>T</sub>	Total Capacitance $V_{R} = 4.0 \text{ V}, \text{ f} = 1.0 \text{ MHz}$		12				pF		



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