

30

-55 to +150

-55 to +150

Value

1.19

105

32

Downloaded from Elcodis.com electronic components distributor

*Device mounted on FR-4 PCB 0.013 mm.

Thermal Characteristics

Power Dissipation

T_{stg}

ТJ

Symbol

 P_D

 $R_{\theta JA}$

 $R_{\theta JL}$

Electrical Characteristics T_A = 25°C unless otherwise noted

Parameter

Thermal Resistance, Junction to Ambient*

Thermal Resistance, Junction to Lead*

8.3 ms Single Half-Sine-Wave

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

Storage Temperature Range

Operating Junction Temperature

Symbol	Parameter		Device						Units
		1A	1B	1D	1G	1J	1K	1M	
V_{F}	Forward Voltage @ 1.0 A		1.3						V
t _{rr}	Reverse Recovery Time $I_F = 0.5 \text{ A}, I_R = 1.0 \text{ A}, I_{rr} = 0.25 \text{ A}$		150			250	500		ns
I _R	Reverse Current @ rated V_R $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$;	5.0 50					μΑ μΑ	
C _T	Total Capacitance $V_R = 4.0 V, f = 1.0 MHz$		10					pF	

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RS1A-RS1M, Rev. C

А

°C

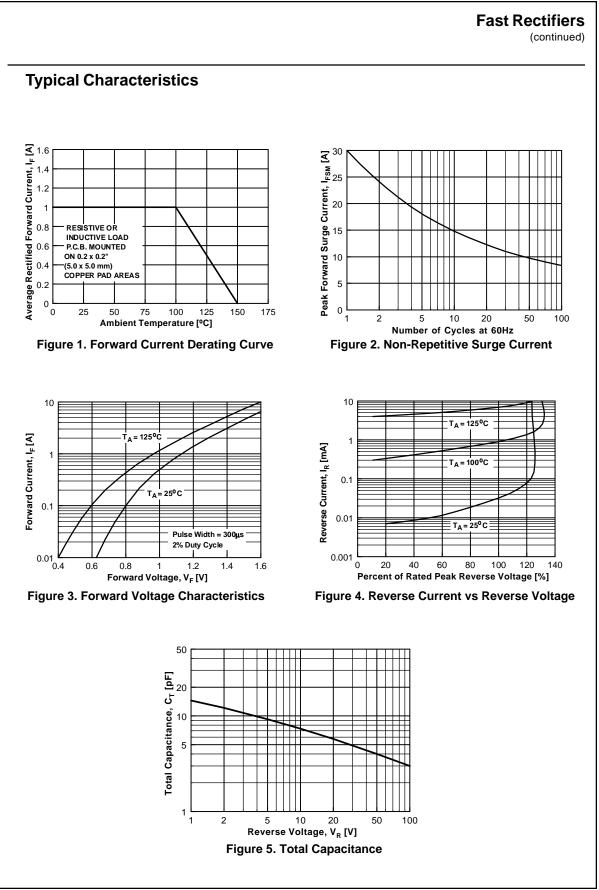
°C

Units

W

°C/W

°C/W



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