RS2A THRU RS2M



RS2A THRU RS2M 1.0Amp Fast Recovery Surface Mounted Rectifiers

General description

2.0Amp Fast Recovery Surface Mounted Rectifiers

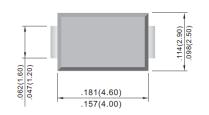
FEATURES

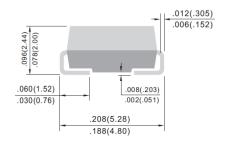
- For surface mounted applications
- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- · Idea for printed circuit board
- · Glass passivated Junction chip
- Low reverse leakage
- · High forward surge current capability
- High temperature soldering guaranteed
- 260 C/10 seconds at terminals

MECHANICAL DATA

- · Case: Molded plastic body
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
 - Polarity: Polarity symbol marking on body
- Mounting Position: Any

SMA/DO-214AC





Unit: inch (mm)

Absolute Maximum Ratings(Ta=25°C unless otherwise specified)

Parameter	SYMBOLS	RS2A	RS2B	RS2D	RS2G	RS2J	RS2K	RS2M	UNITS
Marking Code	Mark	RS2A	RS2B	RS2D	RS2G	RS2J	RS2K	RS2M	N/A
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward rectified current at T∟=100°C	l(AV)	2.0							Α
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	Ігѕм	50							А
Maximum instantaneous forward voltage at 1.0A	VF	1.3							V
Maximum DC reverse current T ₄ =25°C at rated DC blocking voltage T₄=125°C	lR	5.0 200							uA
Max reverse recovery time (Note 1)	Trr	150 250 500				ns			
Typical junction capacitance (Note2)	C¹	15							pF
Typical thermal resistance	RqJA	55.0							。C/W
Operating junction and storage temperature range	ТЈ,Тѕтс	-55 to +150							。С

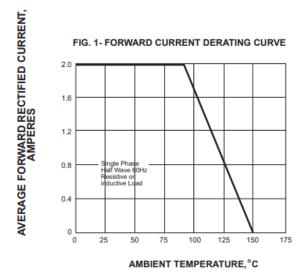
NOTES: 1. Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, Irr=0.25A

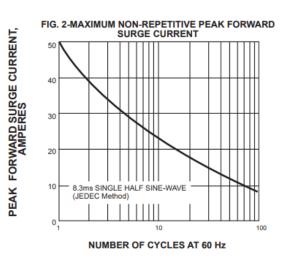
2. Measured at 1 MHz and applied Vr = 4.0 volts.

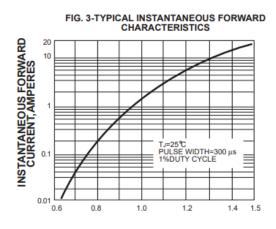
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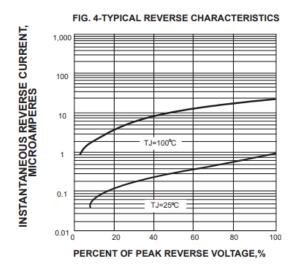


Ratings And Characteristic Curves

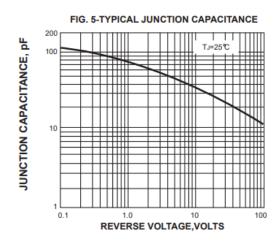


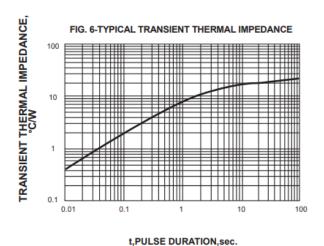












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