

RS3A THUR RS3M

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General description

3.0 AMP SURFACE MOUNT FAST RECOVER RECTIFIERS

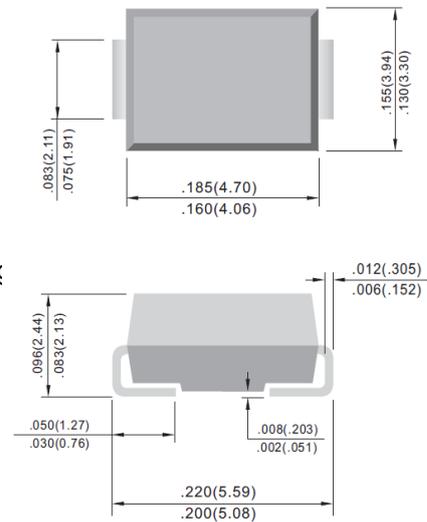
FEATURES

- The plastic package carries Underwriters Laboratory
- Flammability Classification 94V-0
- For surface mounted applications
- Low reverse leakage
- Built-in strain relief, ideal for automated placement
- High forward surge current capability High temperature soldering (
- 250 C/10 seconds at terminals

MECHANICAL DATA

- Case: JEDEC DO-214AA molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end Mounting
- Position: Any
- Weight :0.005 ounce, 0.138 grams

SMB/DO214AA



Unit: inch (mm)

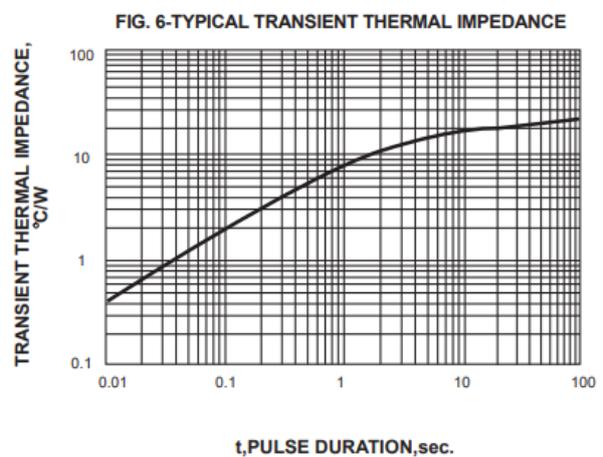
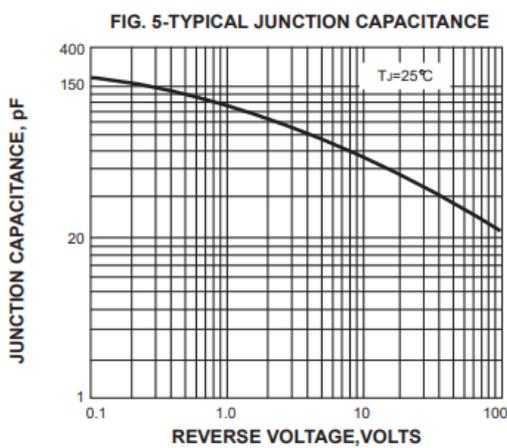
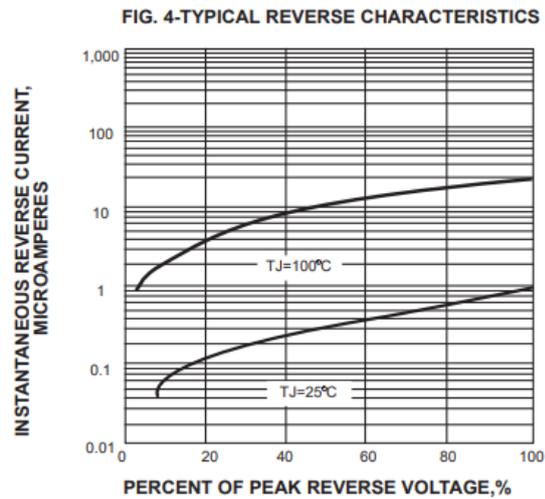
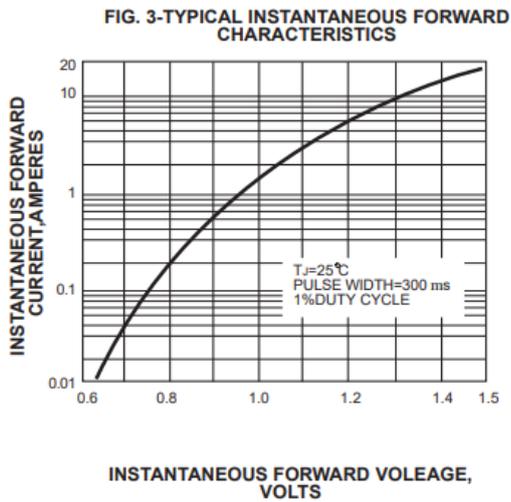
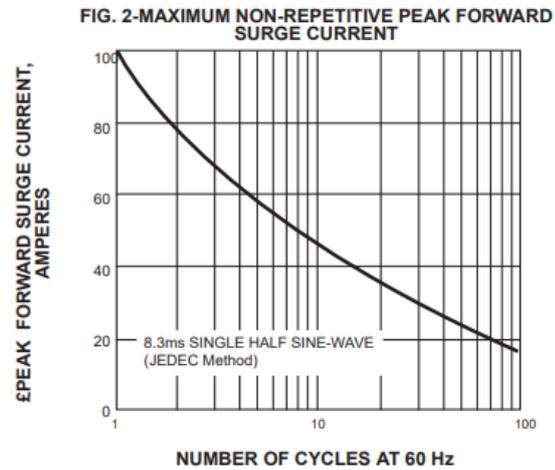
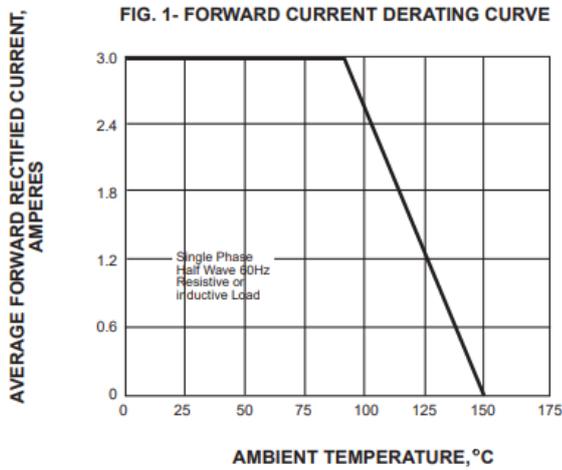
Rating 25 °C ambient temperature unless otherwise specified.

TYPE NUMBER	SYMBOLS	RS3A	RS3B	RS3D	RS3G	RS3J	RS3K	RS3M	UNITS
Marking Code	Mark	RS3A	RS3B	RS3D	RS3G	RS3J	RS3K	RS3M	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 TL=90 C	I(AV)	3.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	100.0							A
Maximum instantaneous forward voltage at 3.0A	VF	1.3							V
Maximum DC reverse current TA=25-C at rated DC blocking voltage TA=100-C	IR	5.0 50.0							μA
Maximum reverse recovery time (NOTE 1)		150				250	500		nS
Typical junction capacitance (NOTE 2)	CJ	150.0							pF
Typical thermal resistance (NOTE 3)	RθJA	20							°C/W
Operating junction and storage temperature range	TJ,TSTG	-55 to +150							°C

Note:

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

Rating And Characteristic Curves



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