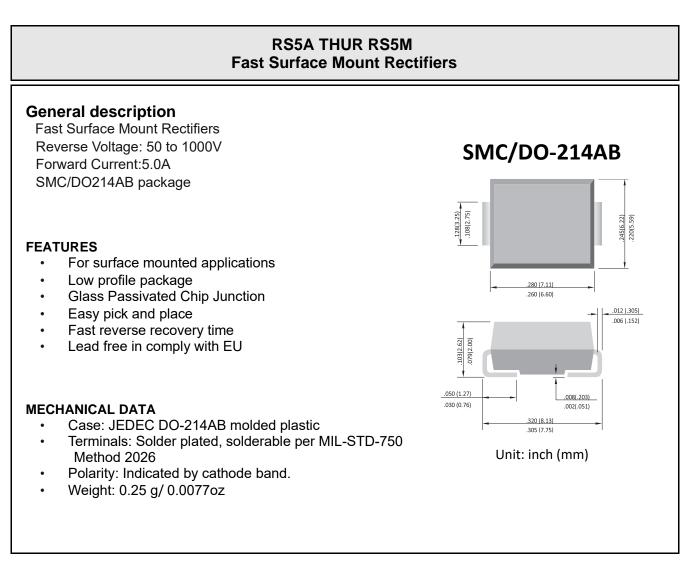
RS5A THUR RS5M







Maximum Ratings & Thermal Characteristics

(Ratings at 25 $^\circ\!\mathrm{C}$ ambient temperature unless otherwise specified.)

Parameter	Symbols	RS5A	RS5B	RS5D	RS5G	RS5J	RS5K	RS5M	Units
Marking Code	Mark	RS5A	RS5B	RS5D	RS5G	RS5J	RS5K	RS5M	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	V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current	IF(AV)	5							А
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	Ifsm	120							А
Maximum Forward Voltage at 3 A	VF	1.3							V
Maximum DC Reverse Current $T_a = 25$ °C atRated DC Blocking Voltage $T_a = 125$ °C	I _R	5 100							μA
Typical Junction Capacitance at V_R =4V, f=1MHz	Cj	50							pF
Maximum Reverse Recovery Time (1)	trr	150			250	500		ns	
Typical Thermal Resistance ⁽²⁾	Reja Rejc	35 13							°C/W
Operating and Storage Temperature Range	Tj, Tstg	-55 ~ +150							°C

Note: 1.Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A

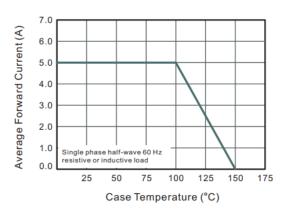
2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

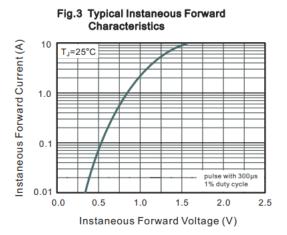
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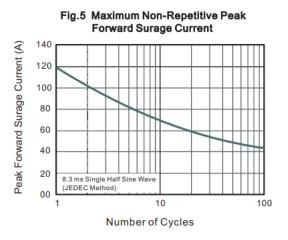


RATING AND CHARACTERISTIC CURVES

Fig.1 Forward Current Derating Curve







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Fig.2 Typical Reverse Characteristics

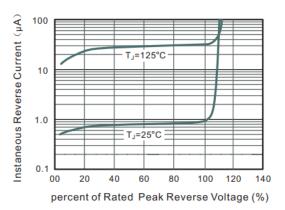
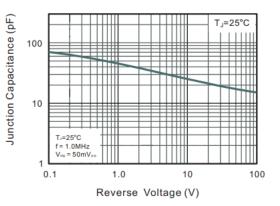


Fig.4 Typical Junction Capacitance





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