

RS2AB THRU RS2MB

Features

- For surface mounted applications
- Low profile package
- Glass Passivated Chip Junction
- Easy to pick and place
- Fast reverse recovery time
- Lead free in comply with EU RoHS 2011/65/EU directives

Mechanical Data

Case:SMB

Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight: 0.091g / 0.003oz



Pinning

PIN	DESCRIPTION
1	Cathode
2	Anode

Absolute Maximum Ratings And Characteristics

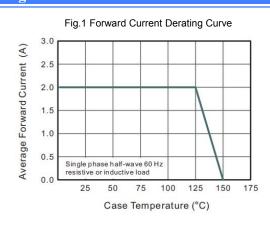
Ratings at 25°C ambient temperature unless otherwise specified.

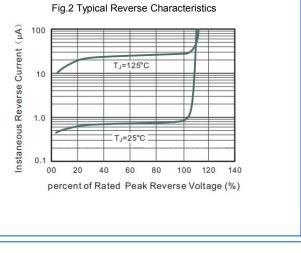
Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

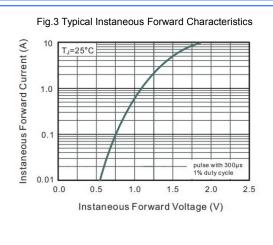
Parameter	Symbols	RS2AB	RS2BB	RS2DB	RS2GB	RS2JB	RS2KB	RS2MB	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50 100 200 400		600	800	1000	V		
Maximum RMS voltage	V _{RMS}	35 70 140 280			420	560	700	V	
Maximum DC Blocking Voltage	V _{DC}	50 100 200 400 600				800	1000	V	
Maximum Average Forward Rectified Current at Tc = 125 °C	I _{F(AV)}	2						А	
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	IFSM	60							А
Maximum Forward Voltage at 1 A	V _F	1.3						V	
Maximum DC Reverse Current Ta = 25 °C at Rated DC Blocking Voltage Ta =125 °C	I _R	5 100						μА	
Typical Junction Capacitance at VR=4V f=1M	Cj	28						pF	
Maximum Reverse Recovery Time(1)	trr	150 250 500				00	ns		
Typical Thermal Resistance (2)	RөJА RөJС	60 20					°C/W		
Operating and Storage Temperature Range	T _j , T _{stg}	-55 ~ +150						°C	

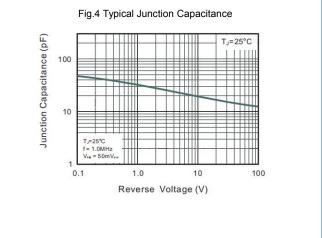
- (1) Measured with IF = 0.5 A, IR = 1 A, Irr = 0.25 A
- (2) .P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

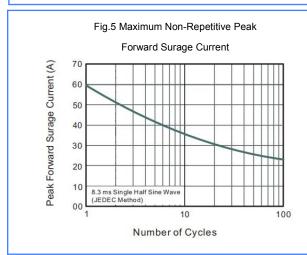
Rating And Characteristic Curves







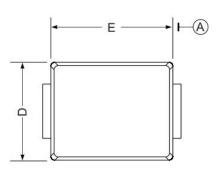


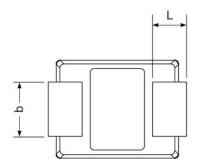


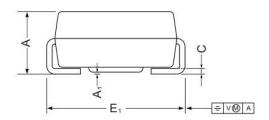
Package Outline

Plastic surface mounted package; 2 leads

SMB

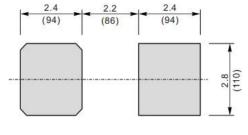






UNIT		А	С	D	Е	E1	A 1	L	b
mm	max	2.44	0.305	3.94	4.7	5.59	0.2	1.5	2.2
	min	2.13	0.152	3.3	4.06	5.08	0.05	0.8	1.9
mil	max	96	12	155	185	220	7.9	59	87
	min	84	6	130	160	200	2.0	32	75

The recommended mounting pad size



Unit: $\frac{mm}{(mil)}$