



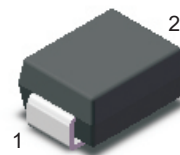
RS3AB-PJ~RS3MB-PJ

Surface Mount Fast Recovery Rectifiers

Features

- For surface mounted applications
- Glass Passivated Chip Junction
- Fast reverse recovery time
- Low profile package

SMB



1.Cathode — 2.Anode

Marking Code:

RS3AB-PJ: RS3A
 RS3BB-PJ: RS3B
 RS3DB-PJ: RS3D
 RS3GB-PJ: RS3G
 RS3JB-PJ: RS3J
 RS3KB-PJ: RS3K
 RS3MB-PJ: RS3M

Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

Parameter	Symbols	RS3AB-PJ	RS3BB-PJ	RS3DB-PJ	RS3GB-PJ	RS3JB-PJ	RS3KB-PJ	RS3MB-PJ	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	I _{F(AV)}	3.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I _{FSM}	90							A
Maximum Instantaneous Forward Voltage at 3 A	V _F	1.3							V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _A = 25 °C 									

Note:

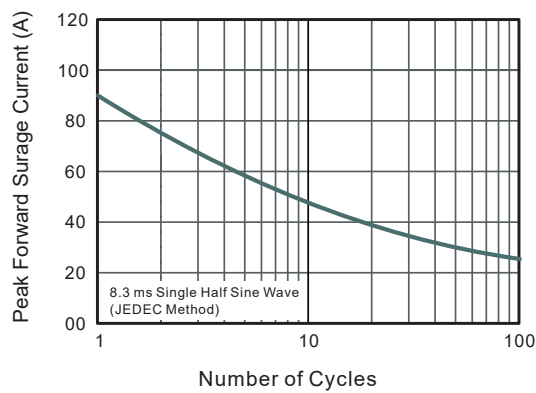
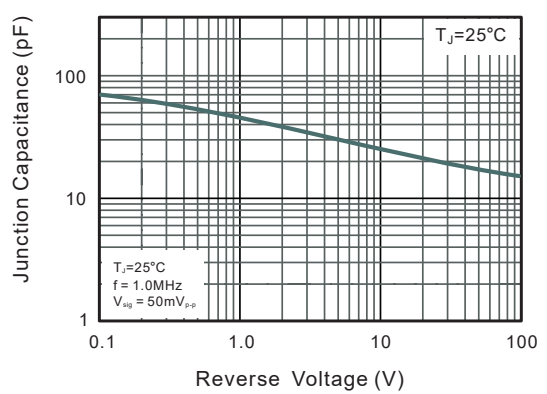
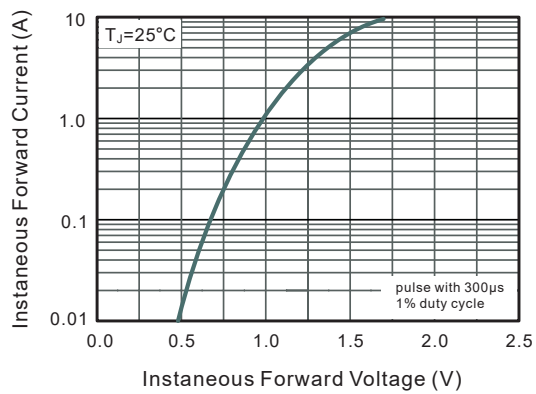
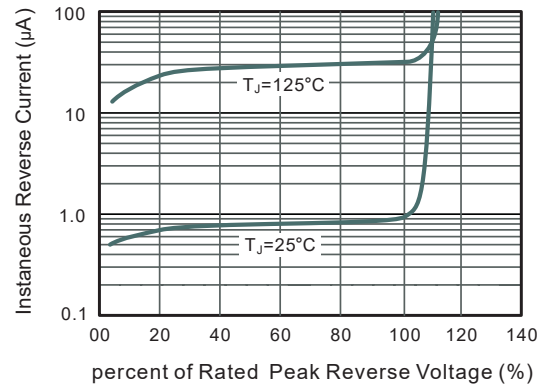
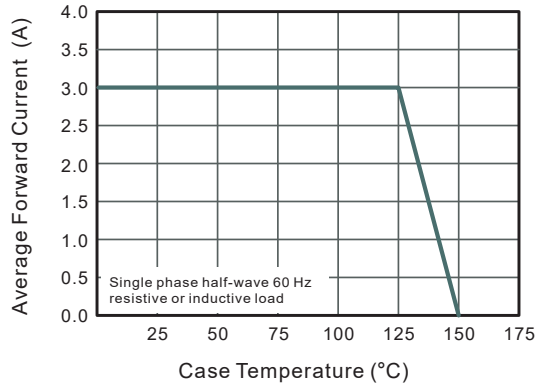
1. Measured at 1 MHz and applied reverse voltage of 4 V D.C
2. P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.
3. Measured with $I_F = 0.5\text{ A}$, $I_R = 1\text{ A}$, $t_{rr} = 0.25\text{ A}$



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Typical Characteristic Curves





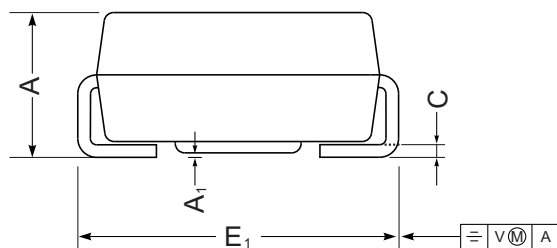
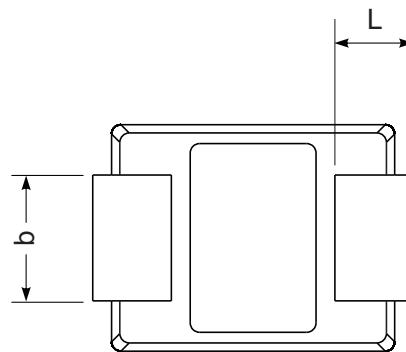
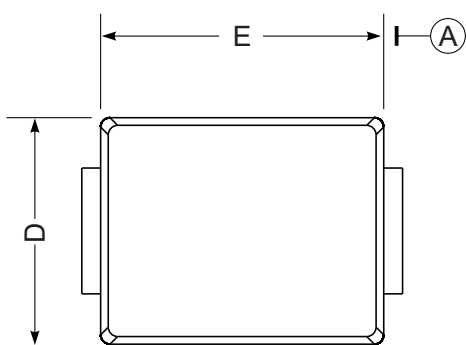
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Package Outline

SMB

Dimensions in mm



UNIT		A	E	D	E1	A1	L	C	b
mm	max	2.44	4.70	3.94	5.59	0.20	1.5	0.305	2.2
	min	2.13	4.06	3.3	5.08	0.05	0.8	0.152	1.9
mil	max	96	185	155	220	7.9	59	12	87
	min	84	160	130	200	2.0	32	6	75