



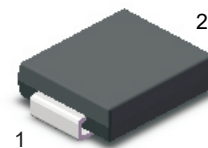
RS3AC-PJ~RS3MC-PJ

Surface Mount Fast Recovery Rectifiers

Features

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

SMC



1.Cathode —|< 2.Anode

Marking Code:

RS3AC-PJ: RS3A
RS3BC-PJ: RS3B
RS3DC-PJ: RS3D
RS3GC-PJ: RS3G
RS3JC-PJ: RS3J
RS3KC-PJ: RS3K
RS3MC-PJ: RS3M

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 current derate by 20 %.

Parameter	Symbols	RS3AC -PJ	RS3BC -PJ	RS3DC -PJ	RS3GC -PJ	RS3JC -PJ	RS3KC -PJ	RS3MC -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:

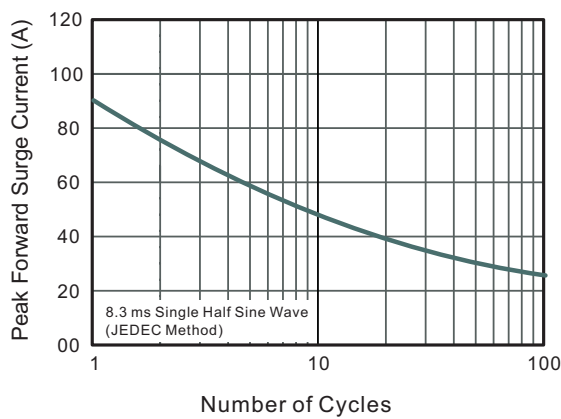
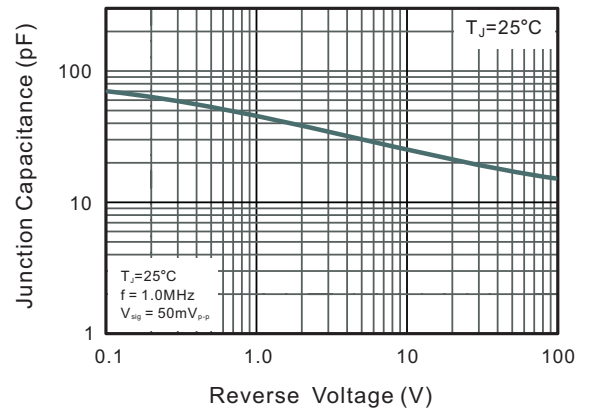
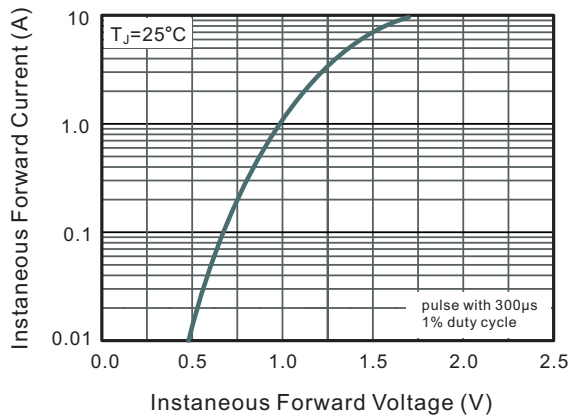
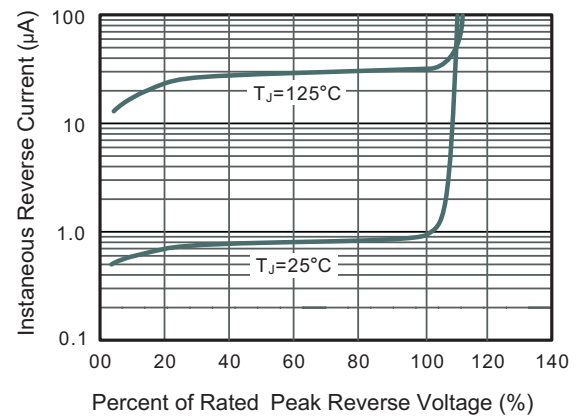
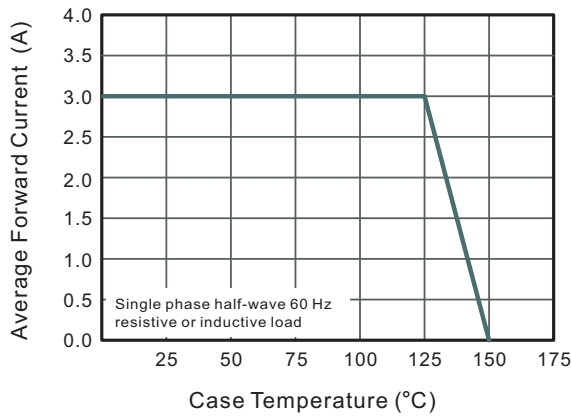
1. Measured at 1 MHz and applied reverse voltage of 4 V D.C
2. P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.
3. Measured with $I_F = 0.5\text{ A}$, $I_R = 1\text{ A}$, $I_{rr} = 0.25\text{ A}$



RS3AC-PJ~RS3MC-PJ

Surface Mount Fast Recovery Rectifiers

Typical Characteristic Curves





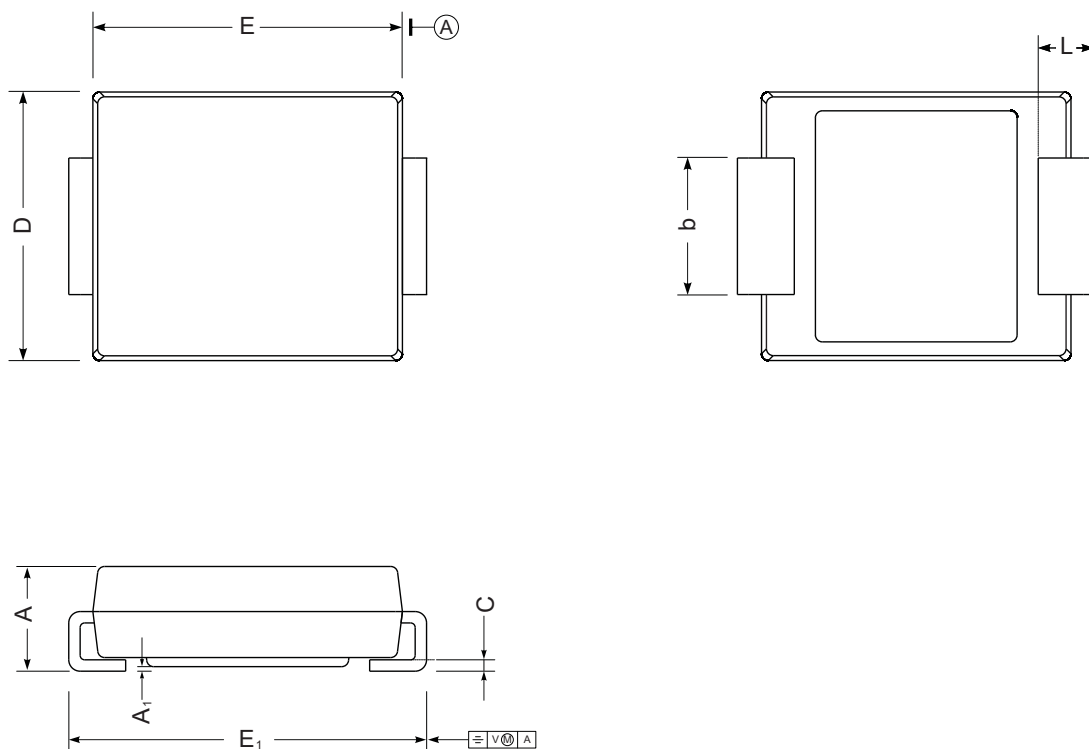
RS3AC-PJ~RS3MC-PJ

Surface Mount Fast Recovery Rectifiers

Package Outline

SMC

Dimensions in mm



UNIT		A	E	D	E ₁	A ₁	C	L	b
mm	max	2.62	7.0	6.2	8.0	0.21	0.31	1.6	3.25
	min	2.00	6.5	5.6	7.6	0.05	0.15	0.9	2.75
mil	max	103	276	244	315	8.3	12	63	128
	min	79	256	220	299	2.0	5.9	35	108