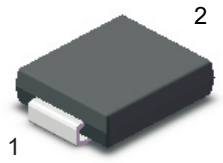
SS32C-PJ~SS320C-PJ
Schottky Barrier Rectifiers

Features

- For surface mount applications
- High forward surge current capability
- Low profile package
- High efficiency
- Metal silicon junction,majority carriers conduction

SMC



Marking Code :
SS32C-PJ: SS32
SS34C-PJ: SS34
SS36C-PJ: SS36
SS38C-PJ: SS38
SS310C-PJ: SS310
SS312C-PJ: SS312
SS315C-PJ: SS315
SS320C-PJ: SS320

Maximum Ratings and Electrical Characteristics

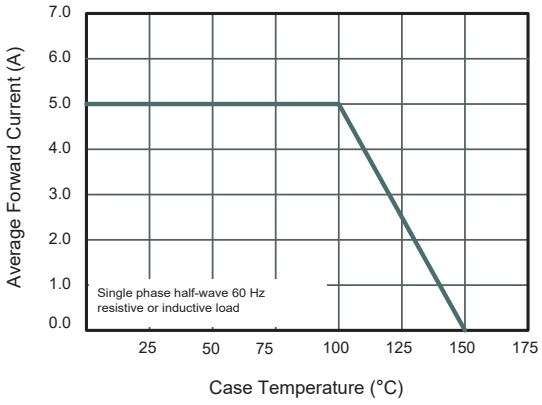
Ratings at 25℃ ambient temperature unless otherwise specified. Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

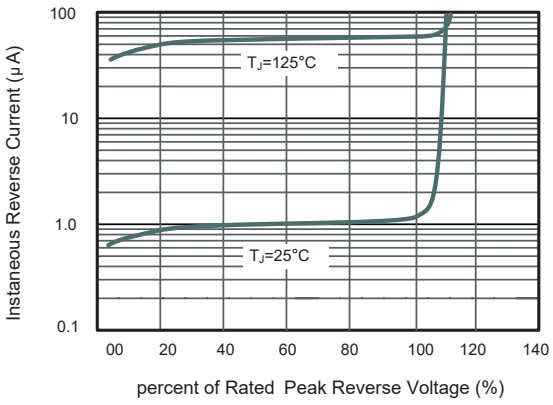
Parameter	Symbol	SS32C -PJ	SS34C -PJ	SS36C -PJ	SS38C -PJ	SS310C -PJ	SS312C -PJ	SS315C -PJ	SS320C -PJ	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS Voltage	V_{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V_{DC}	20	40	60	80	100	120	150	200	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}	80								A
Maximum Instantaneous Forward Voltage at 3 A	V_F	0.55		0.70		0.85		0.95		V
Maximum DC Reverse Current at Rated DC Blocking Voltage T_A = 25 °C T_A = 100 °C	I_R	0.5 5		0.3 3						mA
Typical Junction Capacitance Note1	C_j	450		350						pF
Typical Thermal Resistance Note2	$R_{\theta JA}$	50								°C/W
Junction Temperature	T_J	150								°C
Storage Temperature Range	T_{STG}	-55 to +150								°C

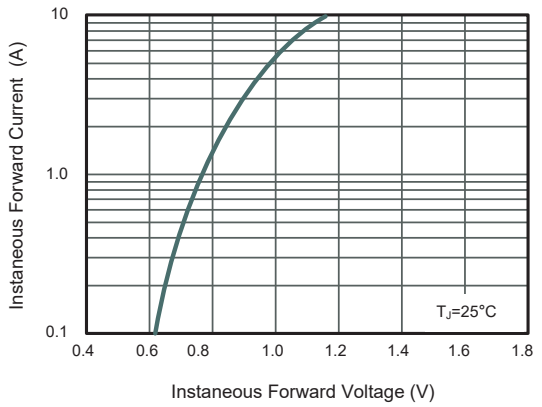
Note:

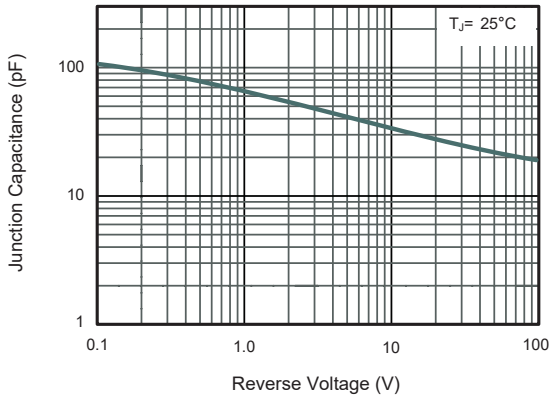
1. Measured at 1 MHz and applied reverse voltage of 4 V D.C
2. P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

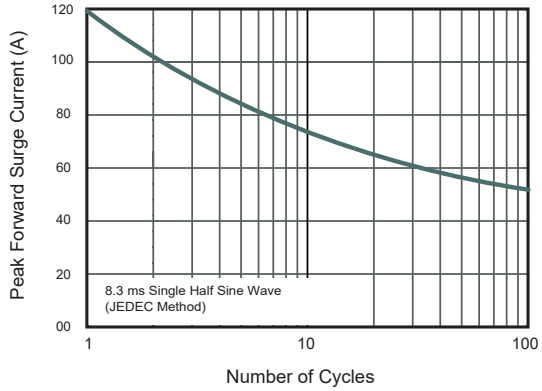
Typical Characteristic Curves







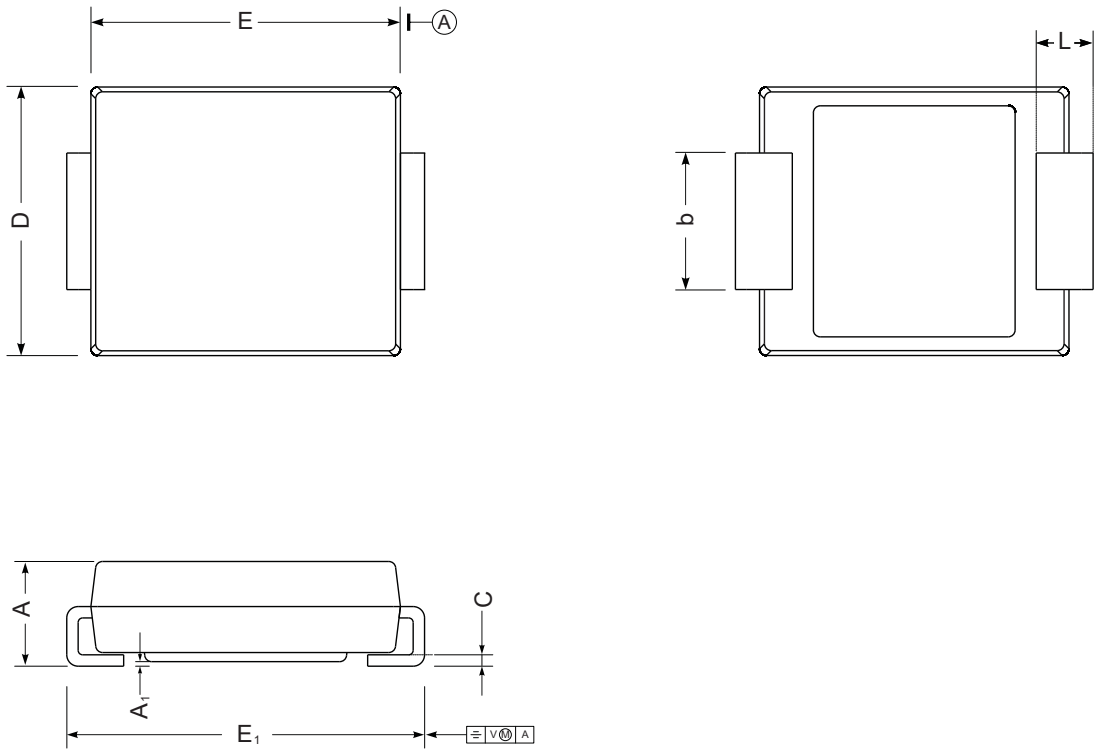




Package Outline

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