

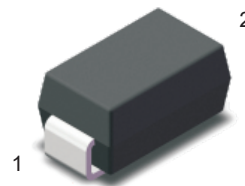


SS32-PJ~SS320-PJ Schottky Barrier Rectifiers

Features

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

SMA



1.Cathode —> 2.Anode

Marking Code :

SS32-PJ: SS32
SS34-PJ: SS34
SS345-PJ: SS345
SS36-PJ: SS36
SS38-PJ: SS38
SS310-PJ: SS310
SS312-PJ: SS312
SS315-PJ: SS315
SS320-PJ: SS320

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	Symbol	SS32 -PJ	SS34 -PJ	SS345 -PJ	SS36 -PJ	SS38 -PJ	SS310 -PJ	SS312 -PJ	SS315 -PJ	SS320 -PJ	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	45	60	80	100	120	150	200	V
Maximum RMS Voltage	V _{RMS}	14	28	32	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	40	45	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 (JEDEC method)	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 											

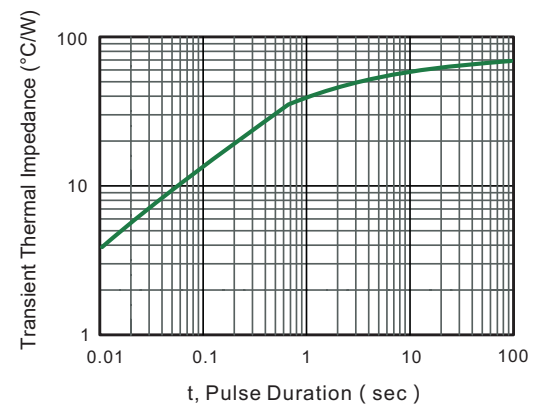
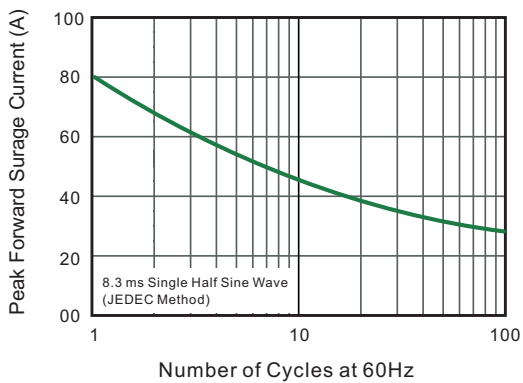
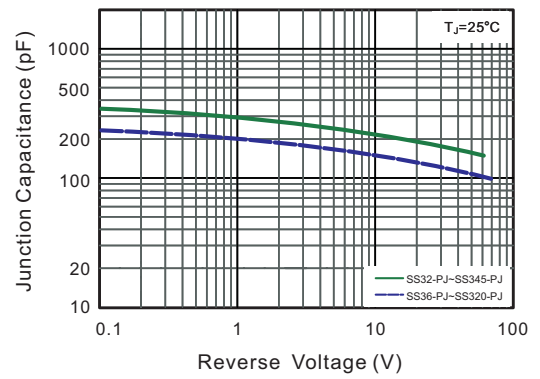
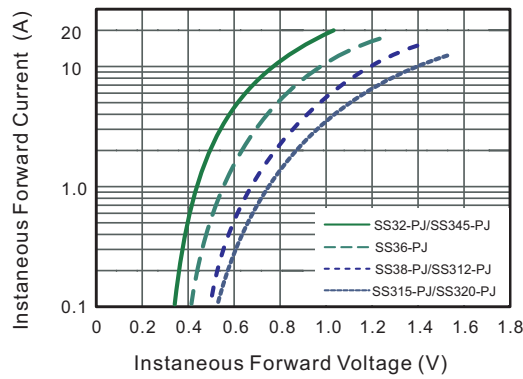
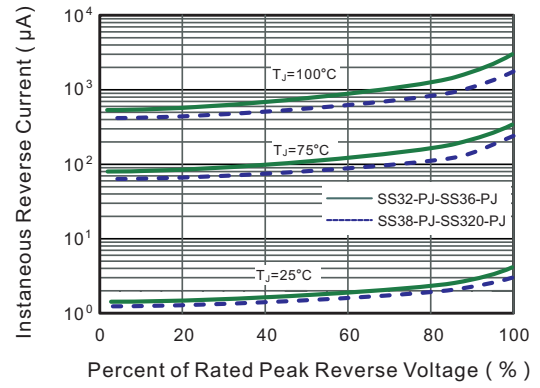
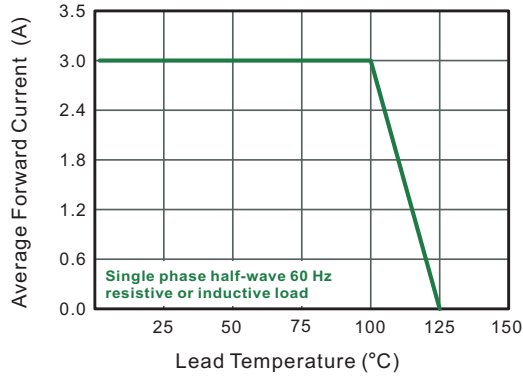
Note:

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



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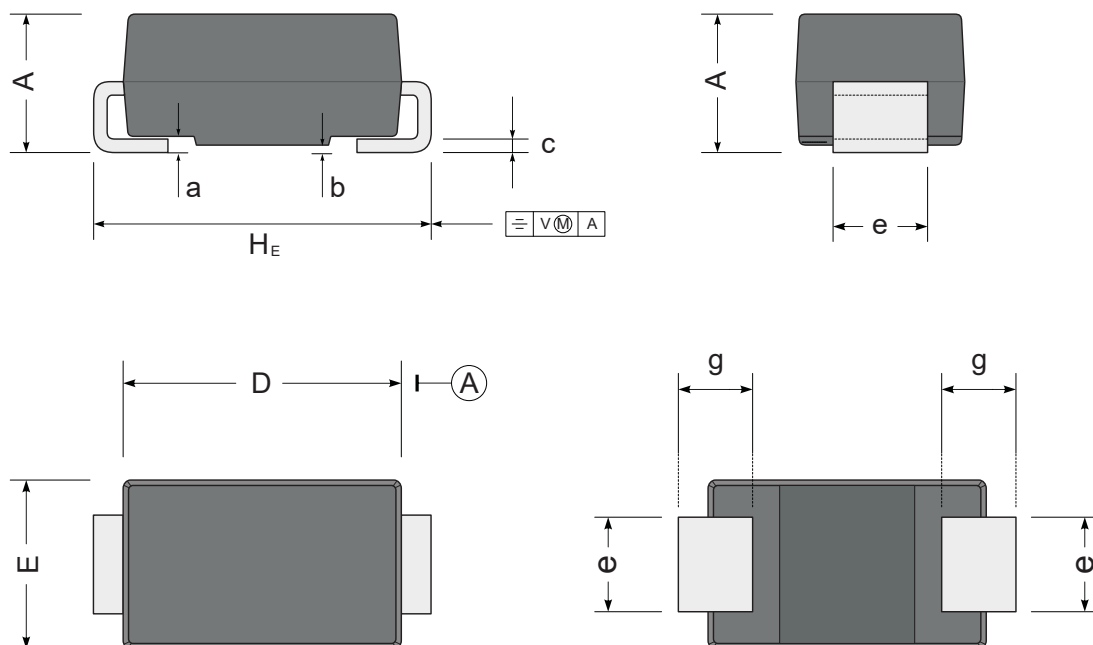
Typical Characteristic Curves



Package Outline

SMA

Dimensions in mm



UNIT		A	D	E	H _E	c	e	g	b	a
mm	max	2.2	4.5	2.7	5.2	0.31	1.6	1.5	0.2	0.3
	min	1.9	4.0	2.3	4.7	0.15	1.3	0.9	0.05	
mil	max	87	181	106	205	12	63	59	7.9	12
	min	75	157	91	185	6	51	35	2	