

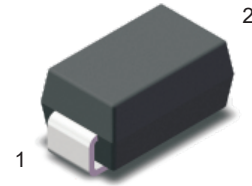


# SS22-PJ~SS220-PJ Schottky Barrier Rectifiers

## Features

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

GA5



## Marking Code :

SS22-PJ: SS22  
 SS24-PJ: SS24  
 SS26-PJ: SS26  
 SS28-PJ: SS28  
 SS210-PJ: SS210  
 SS212-PJ: SS212  
 SS215-PJ: SS215  
 SS220-PJ: SS220

## 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	SS22 -PJ	SS24 -PJ	SS26 -PJ	SS28 -PJ	SS210 -PJ	SS212 -PJ	SS215 -PJ	SS220 -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	$I_{F(AV)}$	2.0								A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	$I_{FSM}$	50								A
Maximum Instantaneous Forward Voltage at 2 A	$V_F$	0.55	0.70	0.85				0.95	V	
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_A = 25\text{ }^\circ\text{C}$ $T_A = 100\text{ }^\circ\text{C}$	$I_R$	0.5 5			0.3 3				mA	
Typical Junction Capacitance <sup>Note1</sup>	$C_j$	220	80							pF
Typical Thermal Resistance <sup>Note2</sup>	$R_{\theta JA}$	80								$^\circ\text{C/W}$
Operating Junction Temperature Range	$T_J$	-55 to +125								$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-55 to +150								$^\circ\text{C}$

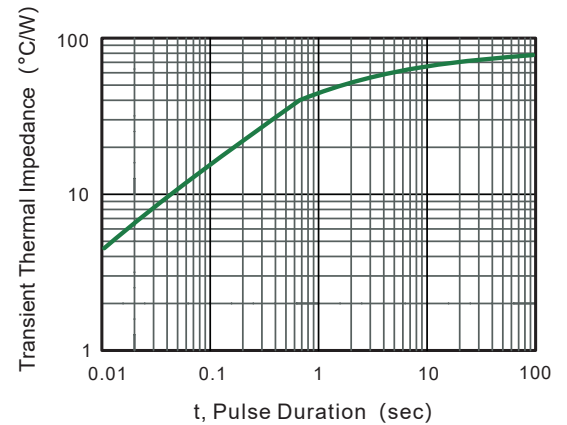
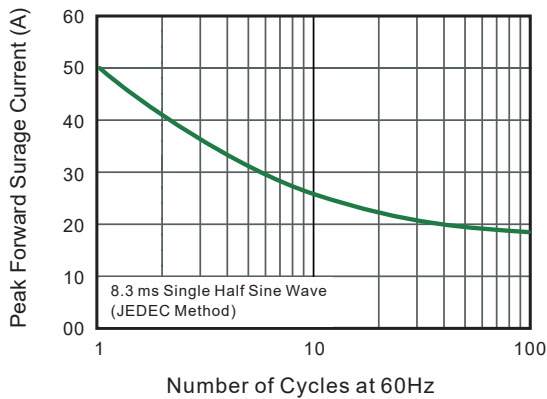
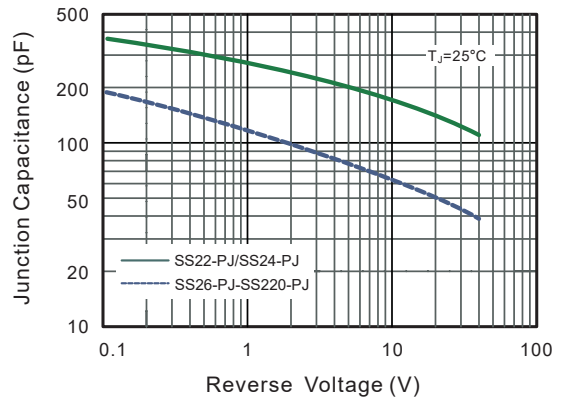
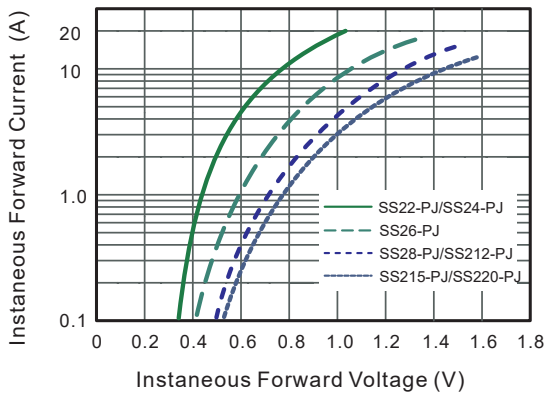
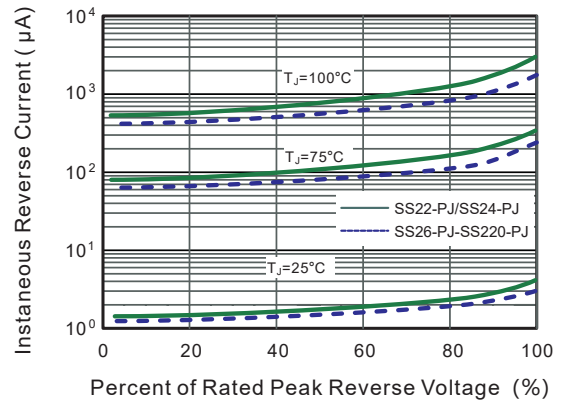
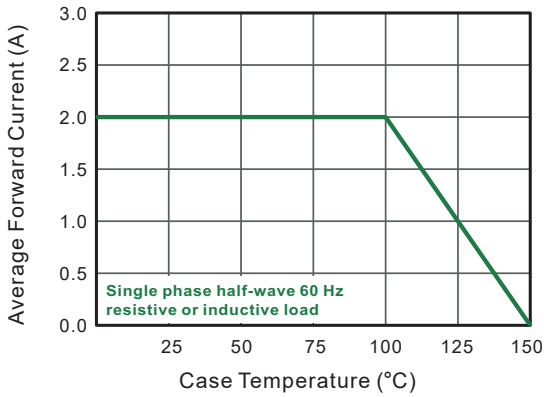
## Note:

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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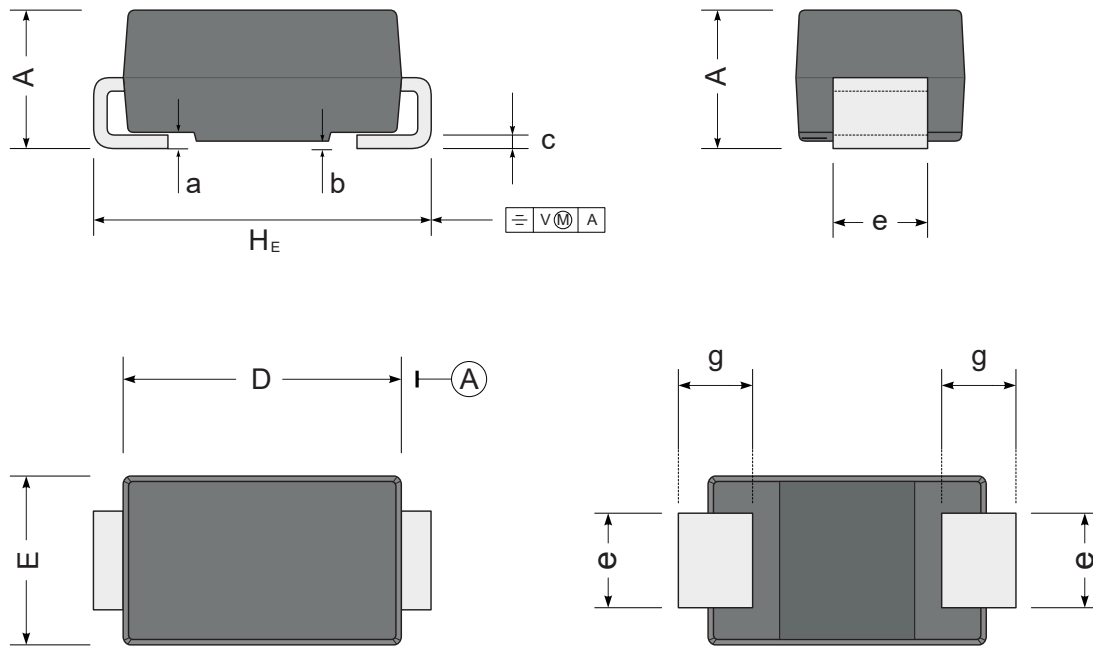
## Typical Characteristic Curves



### Package Outline

SMA

Dimensions in mm



UNIT		A	D	E	H <sub>E</sub>	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	