

Description

The SS22~SS220 is surface mount schottky barrier diode, SMA package.

Applications

- General purpose.

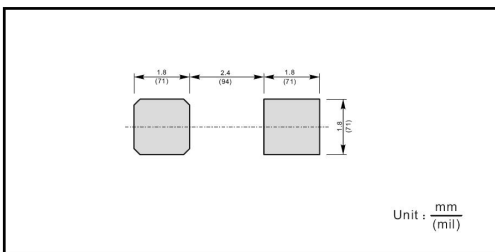
Features

- Reverse voltage : 20 to 200V
- Forward current:2.0A
- Glass passivated chip junction
- Lead free in comply with EU RoHS 2011/65/EU directives, For surface mounted applications
- Halogen-free productt

Equivalent Circuit & Pinning



The recommended mounting pad size



PIN	DESCRIPTION
1	Cathode
2	Anode

Marking

- See Marking Instructions.

Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Rating								Unit
		SS22	SS24	SS26	SS28	SS210	SS212	SS215	SS220	
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 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	50								A
Typical Junction Capacitance at $V_R=4V$ $f=1MHz$	C_j	220			80					pF
Typical Thermal Resistance ¹⁾	$R_{\theta JA}$	80								°C/W
Operating and Storage Temperature Range	T_j, T_{stg}	-55~+150								°C

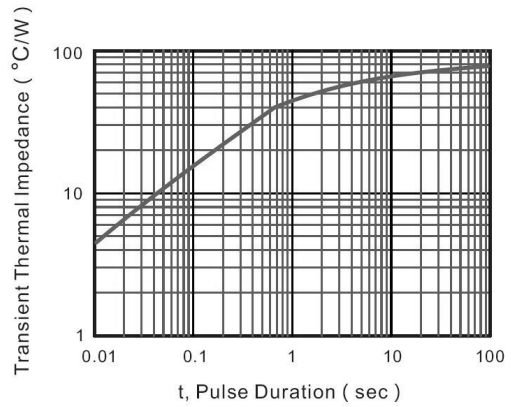
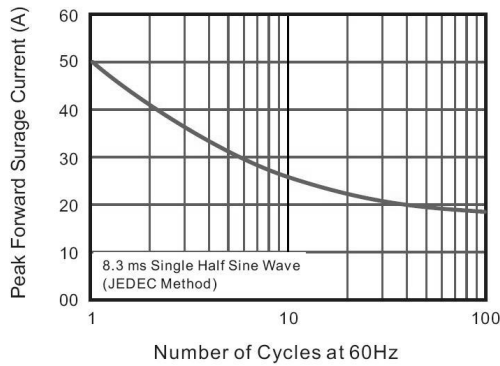
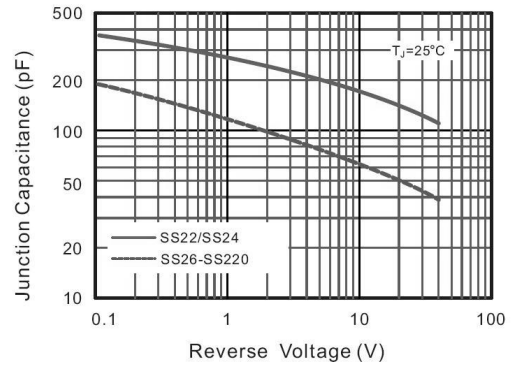
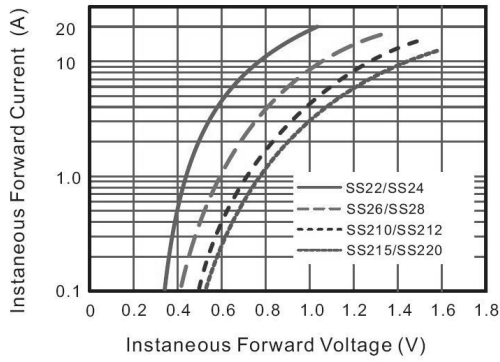
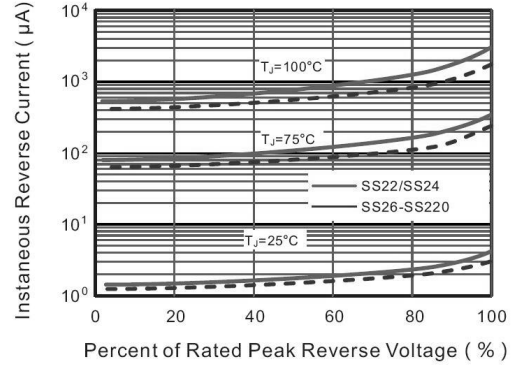
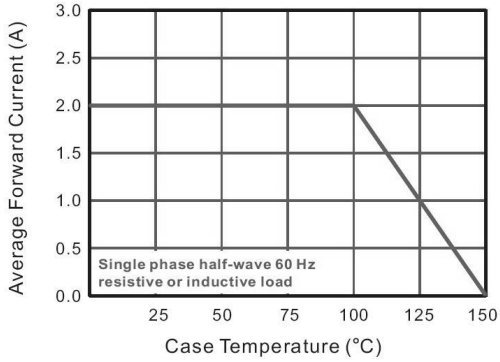
Note:

1) P.C.B. mounted with 2.0 X 2.0" (5 X5 cm) copper pad areas.

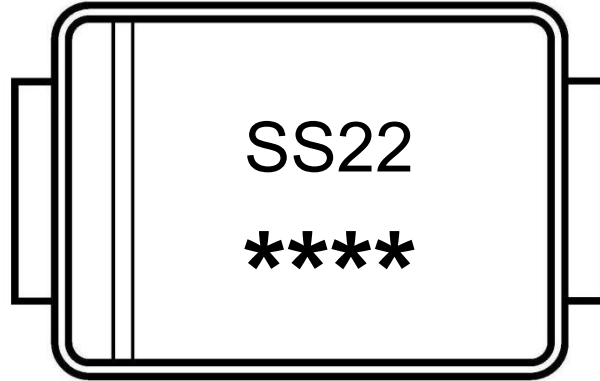
Electrical Characteristics(Ta=25°C)

Parameter	Symbol	Test Conditions	Rating							Unit
			SS22	SS24	SS26	SS28	SS210	SS212	SS215	
Maximum Instantaneous Forward Voltage	V_F	$I_F=2.0A$	0.55		0.70	0.85		0.95		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	$T_a=25^\circ C$	0.5			0.3				mA
		$T_a=100^\circ C$	5.0			3.0				mA

Electrical Characteristic Curve



Marking instructions



Note:

SS22 : Product Type Code

**** : Lot No. Code , The 1st * means:YM Code , The last 3 * means:little Lot No Code

Type number	Marking code
SS22	SS22
SS24	SS24
SS26	SS26
SS28	SS28
SS210	SS210
SS212	SS212
SS215	SS215
SS220	SS220

Packaging SPEC.

REEL

Package Type	Units					Dimension (unit: mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SMA	5000	2	10000	7	70000	13" ×12	336X336X40	380X335X366

Package Outline Dimensions

SMA

