

Features

- Halogen Free
- AEC-Q101 Qualified
- Guard Ring Protection
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- · High Current Capability
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C
- Typical Thermal Resistance: 75°C/W Junction to Ambient(Note2)
- Typical Thermal Resistance: 17°C/W Junction to Lead(Note2)

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SS220HE3-L	SS220	200V	140V	200V

Electrical Characteristics @ 25°C Unless Otherwise Specified

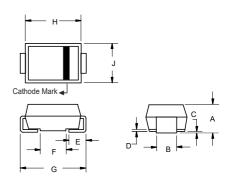
Average Forward Current	I _{F(AV)}	2.0A	T _L =125°C
Peak Forward Surge Current	I _{FSM}	75A	8.3ms,Half Sine
Instantaneous Forward Voltage	V _F	0.90V(Max.)	I _{FM} =2.0A; T _J =25°C I _{FM} =2.0A; T _J =25°C I _{FM} =2.0A; T _J =125°C
Maximum DC Reverse Current at Rated DC Blocking Voltage	I _R	5uA 150uA	T _J =25°C; T _J =125°C;
Voltage Rate of Change (Rated V _R)	dV/dt	10000 V/µs	
Typical Junction Capacitance	С	40pF	Measured at 1.0MHz, V _R =4.0V

Note:

- 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7a.
- 2. Mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas.

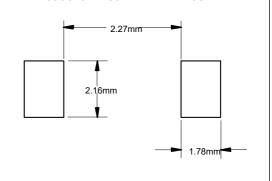
2 Amp Schottky Rectifier 200 Volts

SMA (DO-214AC)



	DIMENSIONS						
DIM	INCHES		MM		NOTE		
	MIN	MAX	MIN	MAX	NOTE		
Α	0.075	0.096	1.90	2.44			
В	0.050	0.064	1.27	1.63			
С	0.002	0.008	0.051	0.203			
D		0.020		0.51			
Е	0.030	0.060	0.76	1.52			
F	0.065	0.091	1.65	2.32			
G	0.189	0.220	4.80	5.59			
Н	0.157	0.187	4.00	4.75			
J	0.090	0.115	2.25	2.92	· ·		

SUGGESTED SOLDER PAD LAYOUT





Curve Characteristics

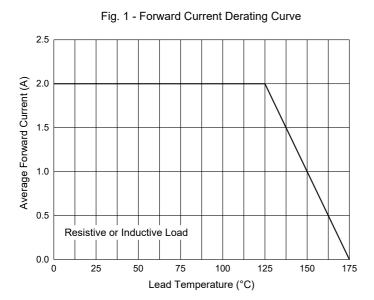


Fig. 3 - Typical Instantaneous Forward Characteristics

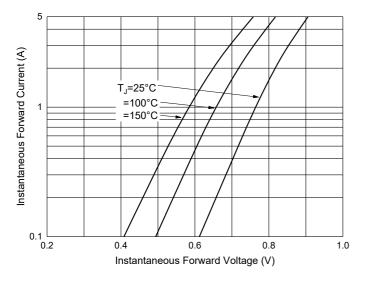


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge

Current

90

75

60

45

30

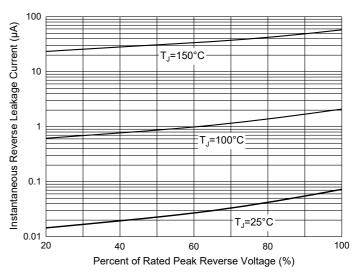
15

-8.3 ms Single Half Sine-Wave

0

Number of Cycles at 60 Hz

Fig. 4 - Typical Reverse Leakage Characteristics





Ordering Information

Device	Packing	
SS220HE3-LTP	Tape&Reel: 5Kpcs/Reel	

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