

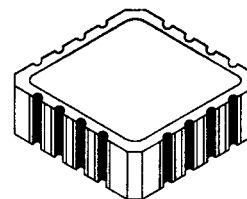


PRELIMINARY ✓

SOLID STATE DEVICES, INC14849 Firestone Boulevard · La Mirada, CA 90638
Phone: (714) 670-SSDI (7734) · Fax: (714) 522-7424**SSR0108-16
SSR0109-16
SSR0110-16****Designer's Data Sheet****FEATURES:**

- Extremely Low Forward Voltage Drop
- Low Reverse Leakage
- Hermetically Sealed Surface Mount Package
- Guard ring for overvoltage protection
- Eutectic Die Attach
- 175°C Operating Junction Temperature

- TX, TXV, and Space Level Screening Available

**1 AMP
80-100 VOLTS
SCHOTTKY
RECTIFIER****16 PIN CLCC****MAXIMUM RATINGS**

RATING	SYMBOL	VALUE	UNIT
Peak Repetitive Reverse and DC Blocking Voltage SSR0108-16 SSR0109-16 SSR0110-16	VRRM VRWM VR	80 90 100	Volts
Average Rectified Forward Current (Resistive Load, 60Hz, Sine Wave, TA=25°C)	IO	1	Amps
Peak Surge Current (8.3 ms Pulse, Half Sine Wave Superimposed on IO, allow junction to reach equilibrium between pulses, TA=25°C)	IFSM	70	Amps
Operating and storage temperature	Top & Tstg	-65 to +175	°C
Maximum Thermal Resistance Junction to Case	RθJC	6.0	°C/W

NOTE: All specifications are subject to change without notification.
SCD's for these devices should be reviewed by SSDI prior to release.**DATA SHEET#: RS0181 A****MED**

SSR0108-16
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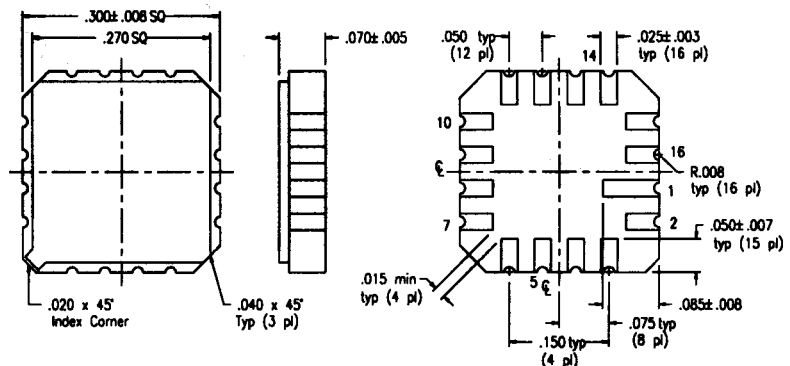
ELECTRICAL CHARACTERISTICS

CHARACTERISTICS	SYMBOL	MAXIMUM	UNIT
Instantaneous Forward Voltage Drop (IF = 1 Adc, TA=25°C, 300μs Pulse)	VF1	0.57	Vdc
Instantaneous Forward Voltage Drop (IF = 1 Adc, TA= - 55°C, 300μs Pulse)	VF2	0.61	Vdc
Reverse Leakage Current (Rated VR, TA=25°C, 300μs pulse minimum)	IR1	10	μA
Reverse Leakage Current (Rated VR, TA=100°C, 300μs pulse minimum)	IR2	500	μA
Junction Capacitance (VR = 10 Vdc, TA=25°C, f= 1 MHz)	CJ	300	pf

CASE OUTLINE: 16 PIN CLCC

PIN OUT:

PIN 10-15: ANODE
PIN 9, 16: N/C
PIN 1-7: CATHODE



TYPICAL OPERATING CURVES

(TA=25°C Unless otherwise specified)

