



SS22L THRU SS220L

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 to 200 Volts

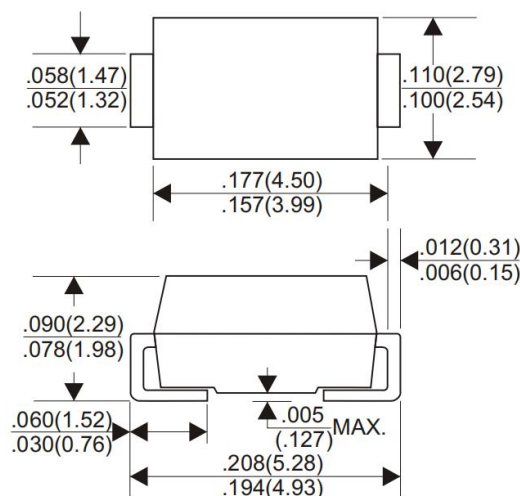
CURRENT 2.0 Ampere

FEATURES

- * Ideal for surface mount applications
- * Built in strain relief
- * High switching speed
- * Low voltage drop, high efficiency
- * For use in low voltage high frequency inverters, Free willing ,and polarity protection applications
- * Guardring for over voltage protection

MECHANICAL DATA

- * Case: Transfer molded plastic
- * Polarity: Color band denotes cathode end
- * Weight: 0.002 ounce, 0.064 gram



Dimensions in inches and (millimeters)

MAXIMUM RATINGS(Ta=25℃ Unless otherwise specified)

Ratings at 25℃ ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load derate current by 20%.

TYPE NUMBER		SYMBOLS	SS 22L	SS 24L	SS 25L	SS 26L	SS 28L	SS 210L	SS 215L	SS 220L	UNIT
Maximum Repetitive Peak Reverse Voltage		VRRM	20	40	50	60	80	100	150	200	Volts
Maximum RMS Voltage		VRMS	14	28	35	42	56	70	105	140	Volts
Maximum DC Blocking Voltage		VDC	20	40	50	60	80	100	150	200	Volts
Maximum Average Forward Rectified Current at TLsee figure 1 TL=80℃		I(AV)	2.0								Amps
Peak Forward Surge Current 8.3ms single half sine -wave superimposed on rated load (JEDEC method)		IFSM	50								Amps
Maximum Instantaneous Forward Voltage@ 2.0A(Note1)		VF	0.45		0.60		0.70		0.85		Volts
Maximum DC Reverse Current at rated DC Blocking Voltage per element	TA=25℃	IR	0.5						0.1		mA
	TA=100℃		20.0				10.0		2.0		
Typical Thermal Resistance (Note 2)		RθJA	55								℃/W
		RθJL	25								
Diode junction capacitance (Note 3)		CJ	30								pF
Operating Junction Temperature		TJ	(-55 to +150)								℃
Storage Temperature Range		TSTG	(-55 to +150)								℃

Notes:

1. Pulse test:300 μs pulse width,1% duty cycle.
2. Unit mounted on P.C.B. with 0.20"×0.20"(5.00mm×5.00mm) copper pads.
3. f=1MHz and applied 4V DC reverse voltage.



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■ TYPICAL CHARACTERISTICS

