



SS510L

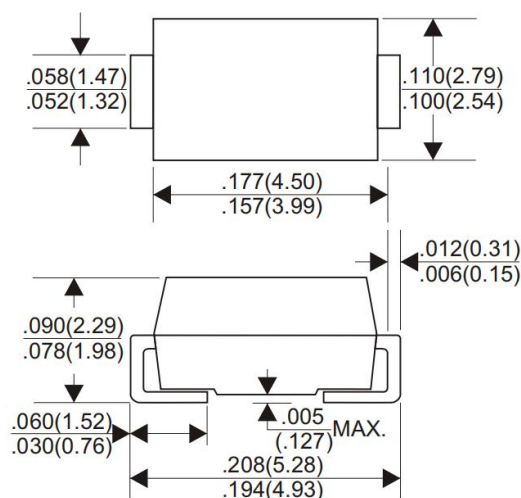
5.0 AMP SCHOTTKY BARRIER RECTIFIERS

■ FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop

■ MECHANICAL DATA

- * Case: Molded plastic
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.063 grams



Dimensions in inches and (millimeters)

■ MAXIMUM RATINGS(Ta=25℃ Unless otherwise specified)

TYPE NUMBER		SYMBOLS	SS510L	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	100	V
Maximum RMS Voltage		VRMS	70	V
Maximum DC Blocking Voltage		VDC	100	V
Maximum Average Forward Rectified Current		I(AV)	5.0	A
Peak Forward Surge Current, 8.3 ms single half sine wave superimposed on rated load (JEDEC method)		IFSM	120	A
Maximum Instantaneous Forward Voltage at 5.0A		VF	0.7	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	Ta=25℃	IR	0.1	mA
	Ta=125℃		20	mA
Typical Junction Capacitance (Note1)		CJ	370	pF
Typical Thermal Resistance (Note 2)		RJA	88	℃/W
Operating Temperature Range		TJ	-55+150	℃
Storage Temperature Range		TSTG	-55+150	℃

Note: 1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas.



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TYPICAL CHARACTERISTICS

FIG.1-FORWARD CURRENT DERATING CURVE

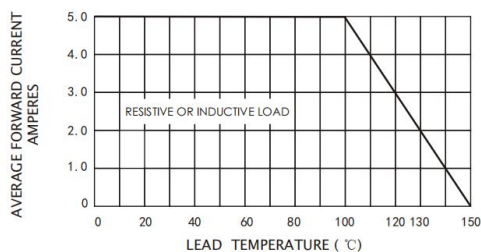


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

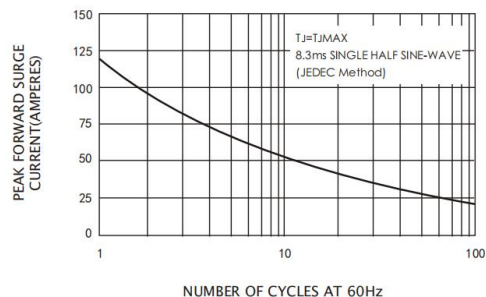


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

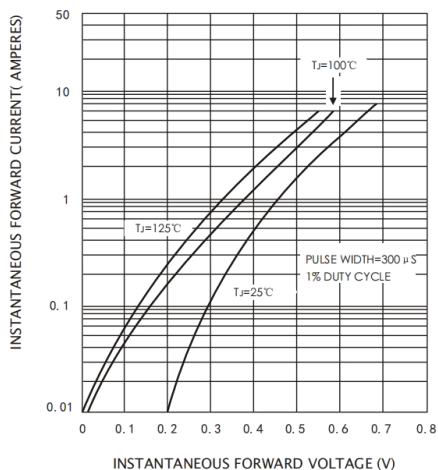


FIG.4-TYPICAL REVERSE CHARACTERISTICS

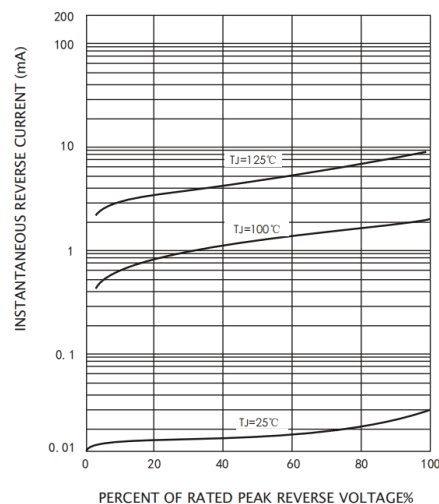


FIG.5-TYPICAL JUNCTION CAPACITANCE

