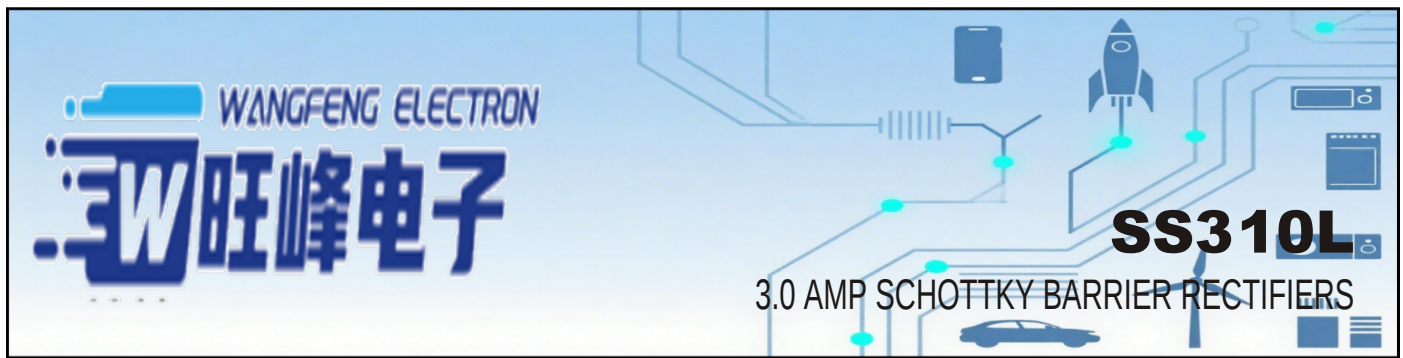
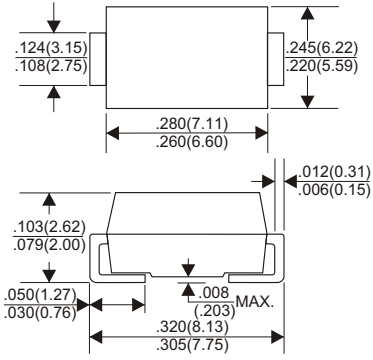




FEATURES * Ideal for surface mount applications * Easy pick and place * Built-in strain relief * Low forward voltage drop MECHANICAL DATA * Case: Molded plastic * Epoxy: UL 94V-0 rate flame retardant * Metallurgically bonded construction * Polarity: Color band denotes cathode end * Mounting position: Any * Weight: 0.21 grams	VOLTAGE RANGE 100 Volts CURRENT 3.0 Amperes DO-214AB(SMC)  Dimensions in inches and (millimeters)
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MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS		
Rating 25 °C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.		
TYPE NUMBER	SS310 L	UNITS
Maximum Recurrent Peak Reverse Voltage	100	V
Maximum RMS Voltage	70	V
Maximum DC Blocking Voltage	100	V
Maximum Average Forward Rectified Current	3.0	A
See Fig. 1 Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	80	A
Maximum Instantaneous Forward Voltage at 3.0A	0.67	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	100 20	μA mA
Typical Junction Capacitance (Note1)	240	pF
Typical Thermal Resistance R _{JA} (Note 2)	55	°C/W
Operating Temperature Range T _J	-55 to +125	°C
Storage Temperature Range T _{STG}	-55 to +150	°C
NOTES:		
1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.		
2. P.C.B. mounted with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas		

RATING AND VCHARACTERISTIC CURVES(SS310L)

FIG.1-FORWARD CURRENT DERATING CURVE

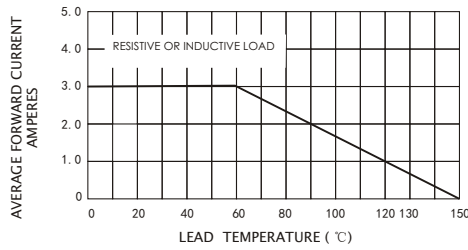


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

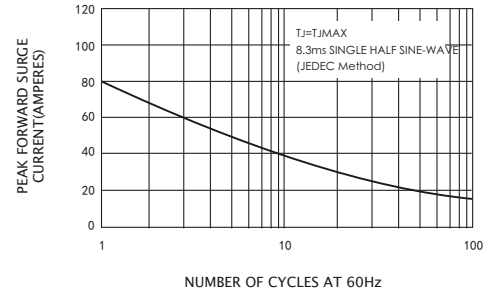


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

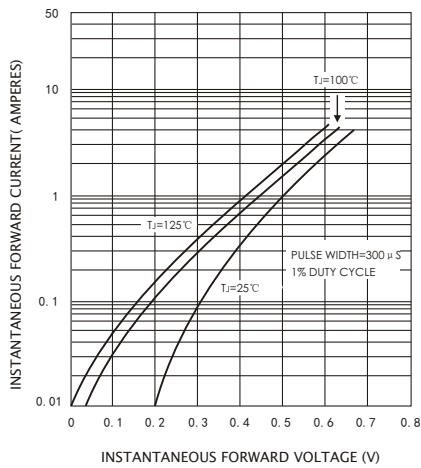


FIG.4-TYPICAL REVERSE CHARACTERISTICS

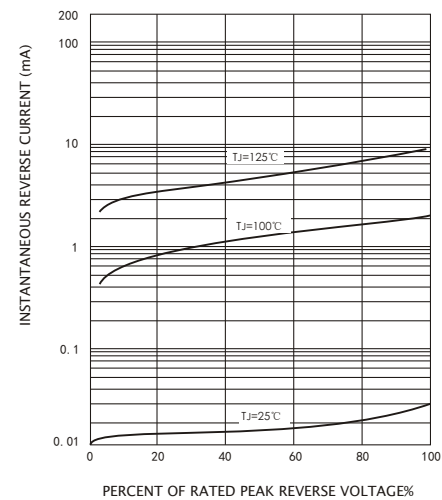


FIG.5-TYPICAL JUNCTION CAPACITANCE

