

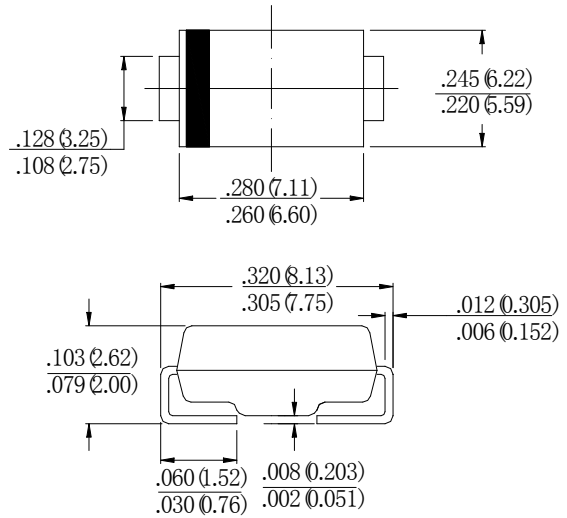


PINGWEI ENTERPRISE

SS32L THRU SS36L

3.0AMPS. SCHOTTKY BARRIER RECTIFIERS

SMC (DO-214AB)



Dimensions in inches and (millimeters)

FEATURE

- . For surface mounted application
- . High current capability
- . Low forward voltage drop
- . Low power loss, high efficiency
- . High surge current capability
- . High temperature soldering guaranteed: 260°C /10 seconds at terminals.

MECHANICAL DATA

- . Terminal: Solder plated
- . Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy
- . Polarity: color band denotes cathode
- . Packaging: 12mm tape per EIA STD RS-481

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 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	SYMBOL	SS32L	SS34L	SS36L	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	40	60	V
Maximum RMS Voltage	V_{RMS}	14	28	42	V
Maximum DC blocking Voltage	V_{DC}	20	40	60	V
Maximum Average Forward Rectified Current .375"(9.5mm) lead length at $T_L = 90^\circ\text{C}$	$I_{F(AV)}$	3.0			A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	80.0			A
Maximum Forward Voltage at 3.0A DC	V_F	0.38	0.45	0.55	V
Maximum DC Reverse Current at rated DC blocking voltage	I_R	0.5			mA
		50.0			
Typical Junction Capacitance (Note 1)	C_J	300			pF
Typical Thermal Resistance (Note 2)	$R_{(JA)}$	65			°C/W
Storage Temperature	T_{STG}	-55 to +150			°C
Operation Junction Temperature	T_J	-55 to +125			°C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2. Measured on P.C. Board with 0.2×0.2" (5.0×5.0mm) Copper Pad Areas.