



### **FEATURES**

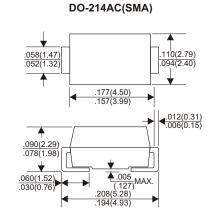
- \* Ideal for surface mount applications
- \* Easy pick and place
- \* Built-in strain relief
- \* Low forward voltage drop

## **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: 0.063 grams

# VOLTAGE RANGE 60 Volts CURRENT

2.0 Ampere



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating  $25\,^{\circ}$ C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

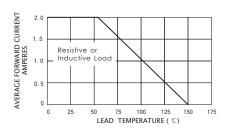
TYPE NUMBER		SS26L	UNITS
Maximum Recurrent Peak Reverse Voltage		60	V
Maximum RMS Voltage		42	V
Maximum DC Blocking Voltage		60	V
Maximum Average Forward Rectified	Current		
See Fig. 1		2.0	А
Peak Forward Surge Current, 8.3 ms	single half sine-wave		
superimposed on rated load (JEDEC method)		50	А
Maximum Instantaneous Forward Voltage at 2.0A		0.55	V
Maximum DC Reverse Current	Ta=25°C	0.15	mA
at Rated DC Blocking Voltage	Ta=125°C	30	mA
Typical Junction Capacitance (Note1)		170	pF
Typical Thermal Resistance R JA (Note 2)		88	°C/W
Operating Temperature Range T <sub>J</sub>		55 to +125 -	°C
Storage Temperature Range Tsto		-55 t <del>o</del> +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

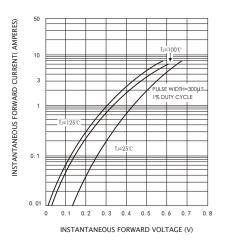
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### RATING AND CHARACTERISTIC CURVES (SS26L)

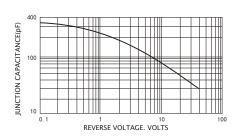
#### FIG.1-FORWARD CURRENT DERATING CURVE



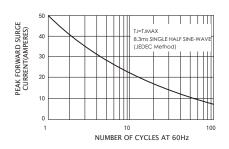
# FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



#### FIG.5-TYPICAL JUNCTION CAPACITANCE



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



#### FIG.4-TYPICAL REVERSE CHARACTERISTICS

