



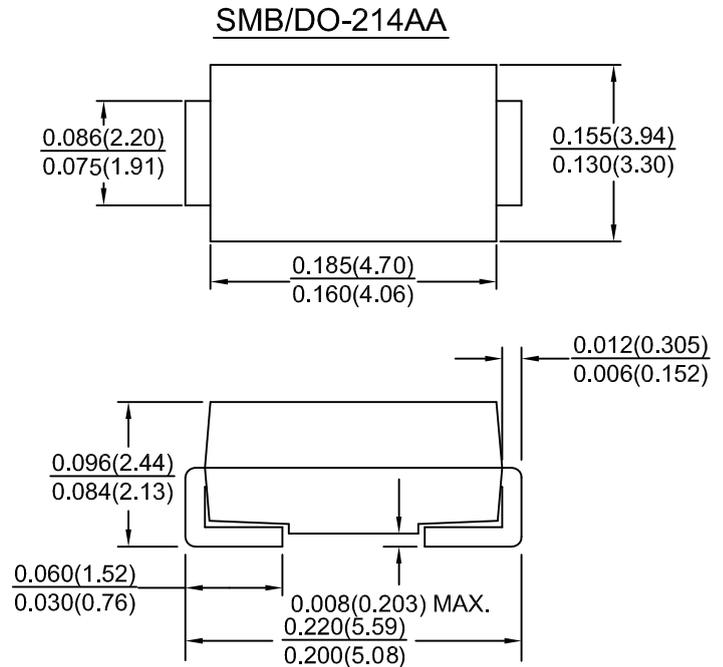
SURFACE MOUNT GLASS PASSIVATED JUNCTION RECTIFIER

FEATURES:

- For surface mounted applications
- Low profile package
- Built-in stain relief
- Easy pick and place
- Flammability Classification
- High temperature soldering:
250°C /10 second at terminals

MECHANICAL DATA

Case: JEDEC DO-214AA molded plastic
 Terminals: Solder plated solderable per MIL-STD-750, Method 2026
 Polarity: Indicated by cathode band
 Standard Packaging: Any
 Weight: 0.003 ounces, 0.093 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25° C ambient temp. unless otherwise specified.
 Single phase, half sine wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

Characteristic	Symbol	S1A	S1B	S1D	S1G	S1J	S1K	S1M	Units
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current at T _L = 100° C	I _o	1.0							Amps
Peak forward surge current, 8.3ms single half sine-wave auperlmsed on rated load(JEDEC Method)	I _{FSM}	30							Amps
Maximum instantaneous forward voltage dropper per leg at 1.0A	V _F	1.1							Volts
Maximum DC reverse current at rated DC blocking voltage T _a = 25° C T _a = 125° C	I _R	5.0 100							μ A
Operating Junction and storage temperature range	T _J , T _{stg}	-55 to +150							° C



RATINGS AND CHARACTERISTIC CURVES

FIG.1 - MAXIMUM FORWARD CORRENT DERATING CURVE

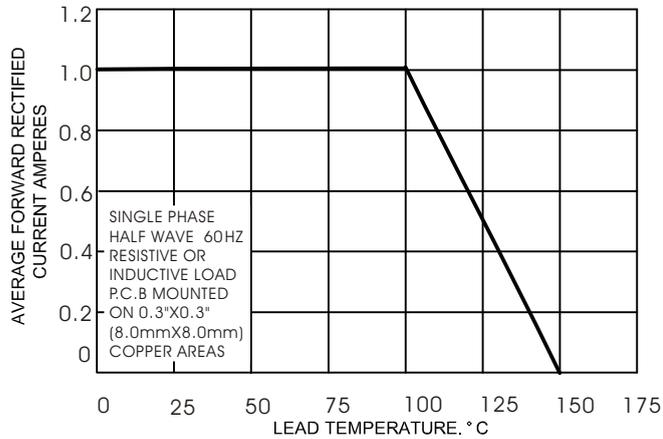


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

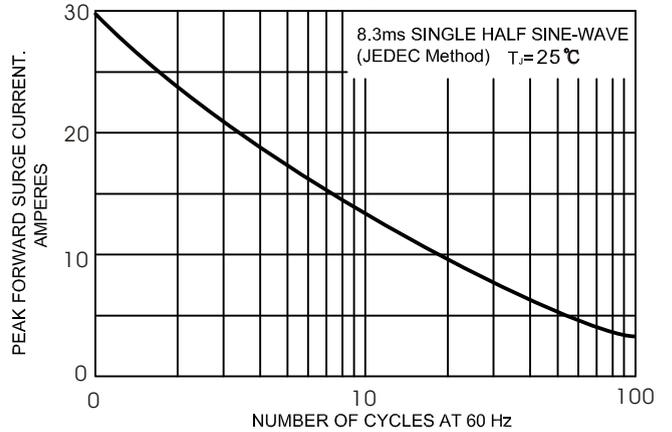


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

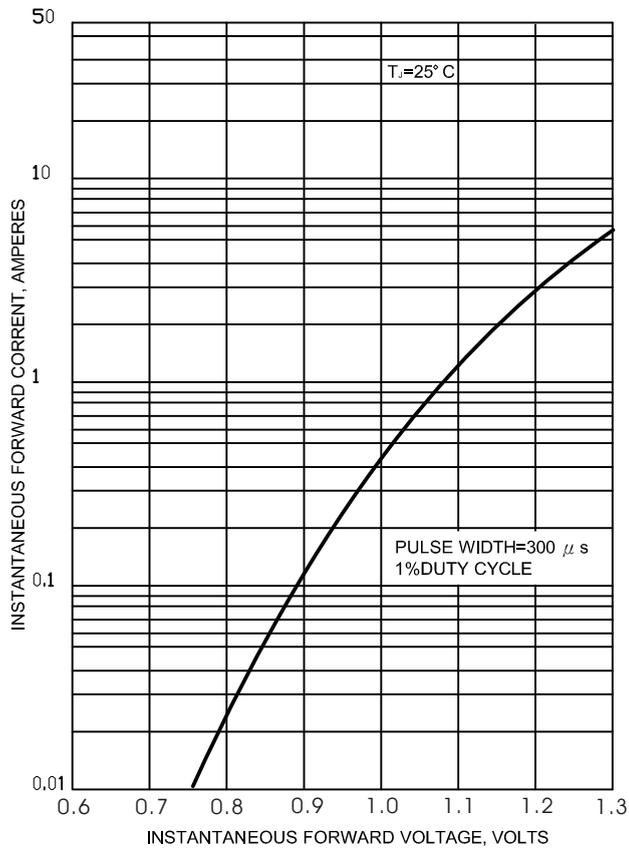
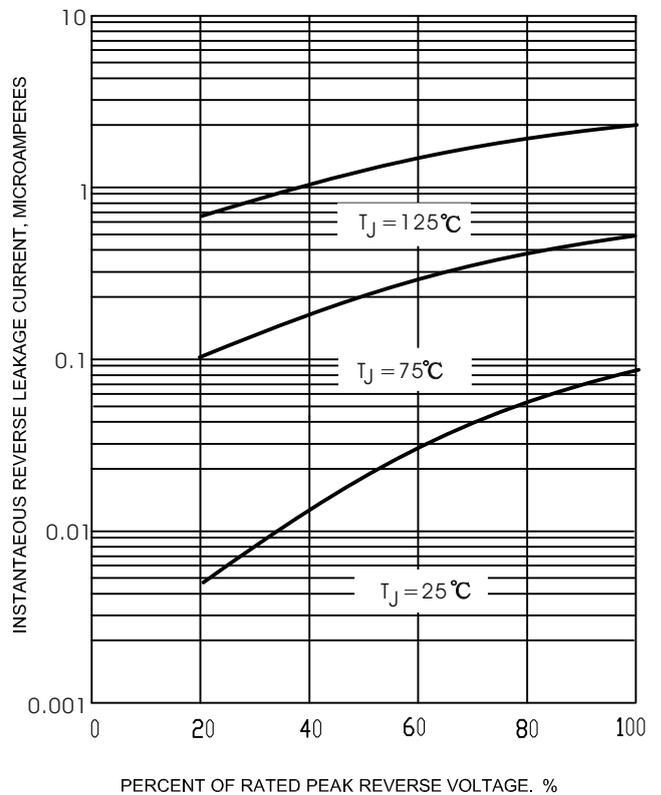


FIG.4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS





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