



SS3040FL-F

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 40 Volts **CURRENT** 2.4 Amperes

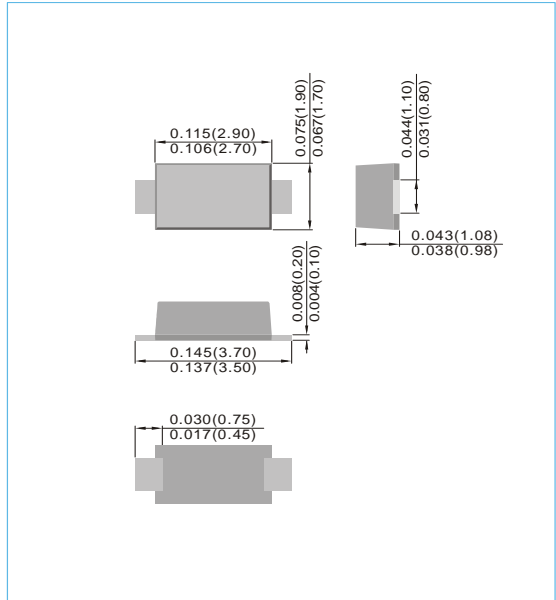
SOD-123FL Unit : inch(mm)

FEATURES

- Fast switching speed
- Surface mount package ideally suited for automatic insertion
- Low power loss, high efficiency

MECHANICAL DATA

Case : SOD-123FL, Plastic
 Terminals : Solderable per MIL-STD-750, Method 2026
 Weight: 0.011 H grams
 Marking: GU



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	SS3040FL-F	UNITS
Reverse Voltage	V _R	40	V
Peak Reversr Voltage	V _{RRM}	40	V
Average Rectified Current at T _A =75°C	I _{F(AV)}	2.4	A
Non-repetitive Peak Forward Surge Current at t=8.3ms	I _{FSM}	80	A

ELECTRICAL AND THERMAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	SS3040FL-F	UNITS
Minimum Reverse Breakdown Voltage at I _R =500μA	V _R	40	V
Maximum Forward Voltage at I _F =3.0A	V _F	0.55	V
Reverse Leakage Current at V _{RRM}	I _R	500	μA
Typical Thermal Resistance,Junction to Ambient	R _{θJA}	150	°C/W
Operating Junction Temperature and Storage Temperature Range	T _J , T _{STG}	-50 to +125	°C

NOTES:

1. Mounted with minimum recommended pad size, PC Board FR4.
2. T_A=25°C unless otherwise specified.



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RATING AND CHARACTERISTIC CURVES

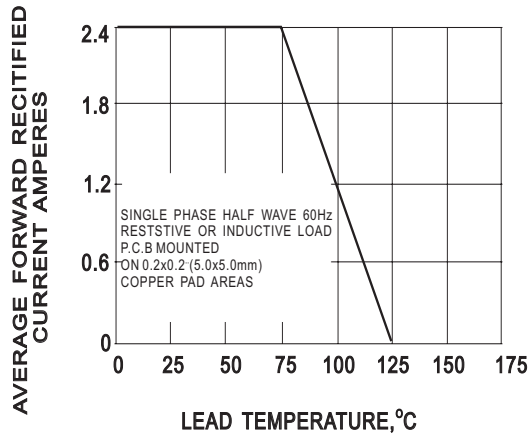


FIG. 1-FORWARD CURRENT DERATING CURVE

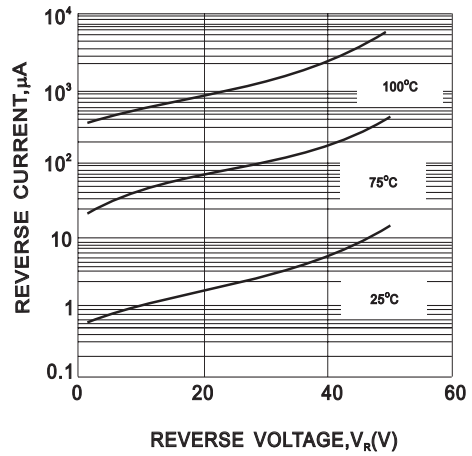


FIG. 2-TYPICAL REVERSE CHARACTERISTIC

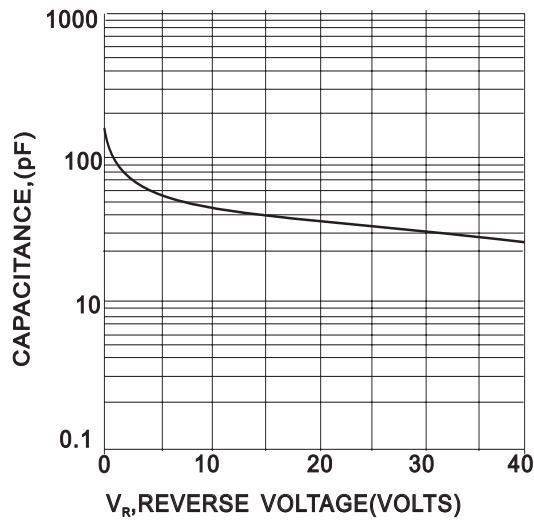


FIG. 3-TYPICAL JUNCTION CHARACTERISTIC

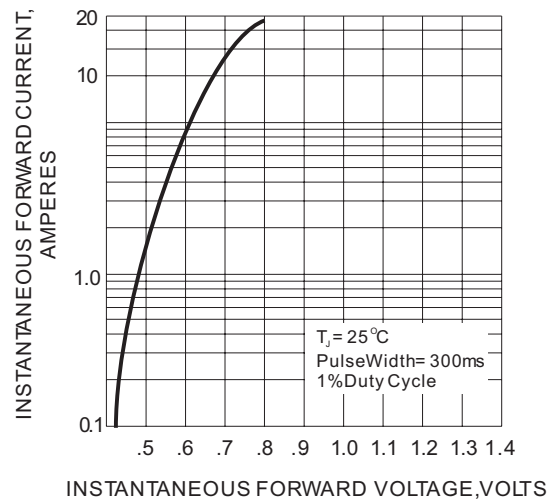
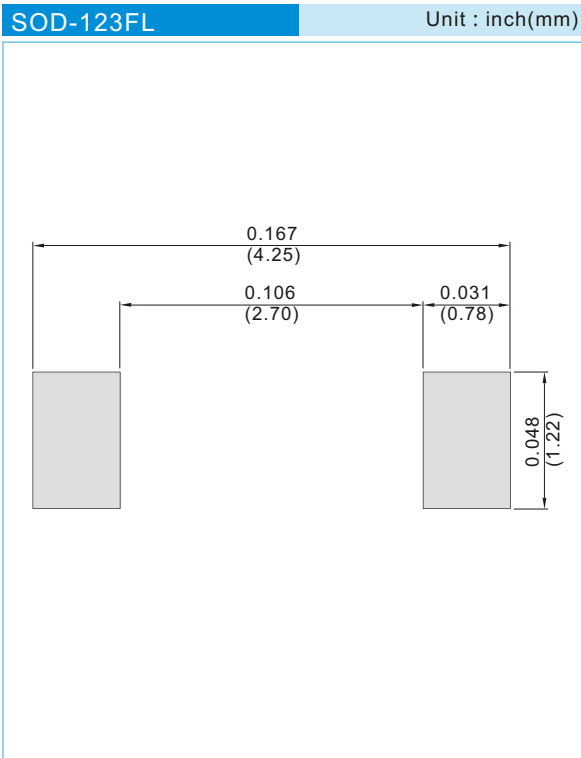


FIG. 4-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 10K per 13" plastic Reel
 - T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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