## MSKSEMI



## FEATURES

- Glass passivated device
- Ideal for surface mouted applications
- Low reverse leakage
- Metallurgically bonded construction
- High temperature soldering guaranteed: $250^{\circ} \mathrm{C} / 10$ seconds, $0.375^{\prime \prime}(9.5 \mathrm{~mm})$ lead length, 5 lbs . $(2.3 \mathrm{~kg}$ ) tension


## MECHANICAL DATA

Case: JEDEC SOD-123FL molded plastic body over passivated chip
Terminals: Solderable per MIL-STD-750,
Method 2026
Polarity: Color band denotes cathode end
Mounting Position: Any
Weight:0.0007 ounce, 0.02 grams

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at $25^{\circ} \mathrm{C}$ ambient temperature unless otherwise specified.
Single phase half-wave 60 Hz , resistive or inductive load,for capacitive load current derate by $20 \%$.


Note: 1.Averaged over any 20 ms period.
2. Measured at 1 MHz and applied reverse voltage of 4.0 V D.C.
3. Thermal resistance from junction to ambient at $0.375^{\prime \prime}$ ( 9.5 mm ) lead length,P.C.B. mounted

FIG. 1 -TYPICALFORWARDCHARACTERISTIC

INSTANTANEOUS FORWARDCURRENT
INSTANTANEOUSFORWARDVOLTAGE,mV

FIG. 3 --TYPICAL INSTANTANEOUS REVERSE CHARACTERISTICS
$\mu$ AMPERES


INSTANTANEOUSREVERSEVOLTAGE,V

FIG.2-- TYPICALJUNCTIONCAPACITANCE


FIG. 4 -- FORWARDDERATINGCURVE

AVERAGE FORWARD CURRENT, AMPERES


AMBIENT TEMPERAZZR

PACKAGE MECHANICAL DATA


Dimensions in millimeters

## Suggested Pad Layout



## Note:

1.Controlling dimension:in millimeters.
2. General tolerance: $\pm 0.05 \mathrm{~mm}$.
3.The pad layout is for reference purposes only.

## REEL SPECIFICATION

| P/N | PKG | QTY |
| :---: | :---: | :---: |
| SOD4001-MS THRU SOD4007-MS | SOD-123FL | 3000 |


#### Abstract

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