



SS2040LL

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 40 Volts **CURRENT** 2.0 Amperes

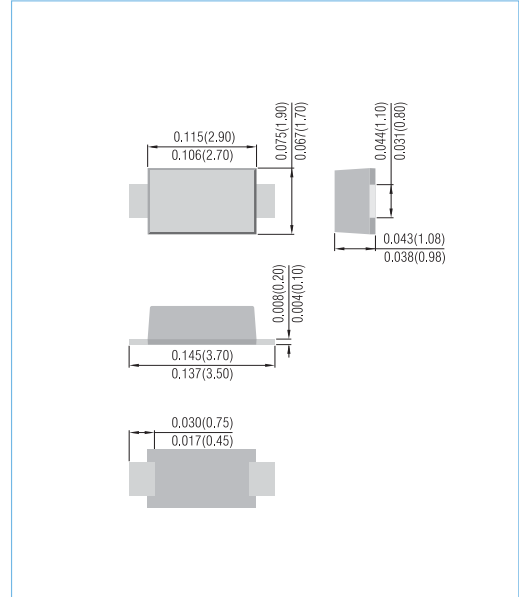
SOD-123FL Unit: inch (mm)

FEATURES

- Surface mount package ideally suited for automatic insertion
- Low power loss, high efficiency
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: SOD-123FL, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0168 gram
- Polarity : Color band cathode
- Marking : R4



ABSOLUTE RATINGS

PARAMETER	SYMBOL	VALUE	UNITS
Reverse Voltage	V_R	40	V
Peak Reverse Voltage	V_{RRM}	40	V
Average Rectified Current	$I_{F(AV)}$	2.0	A
Non-repetitive Peak Forward Surge Current at t=8.3ms	I_{FSM}	50	A

ELECTRICAL AND THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	VALUE	UNITS
Minimum Reverse Breakdown Voltage at $I_R=500\mu A$	V_R	40	V
Maximum Forward Voltage at $I_F=2.0A$	V_F	0.45	V
Reverse Leakage Current at V_{RRM}	I_R	500	μA
Typical Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	125	$^{\circ}C/W$
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-50 to +125	$^{\circ}C$

Note.1 Mounted with minimum recommended pad size, PC Board FR4.
2. $T_A=25^{\circ}C$ unless otherwise specified.

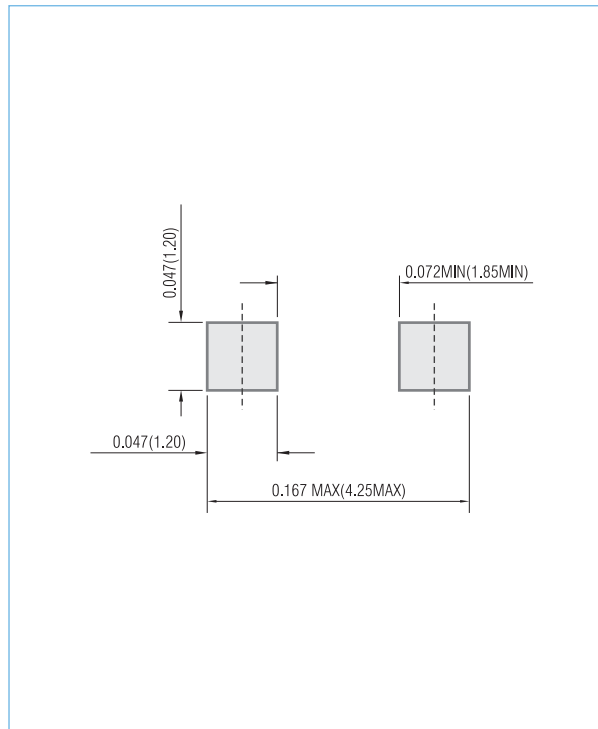
PAN JIT RESERVES THE RIGHT TO IMPROVE PRODUCT DESIGN,FUNCTIONS AND RELIABILITY WITHOUT NOTICE



MOUNTING PAD LAYOUT

SOD-123FL

Unit: inch (mm)



ORDER INFORMATION

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

LEGAL STATEMENT

Copyright PanJit International, Inc 2009

The information presented in this document is believed to be accurate and reliable. The specifications and information herein are subject to change without notice. Pan Jit makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose. Pan Jit products are not authorized for use in life support devices or systems. Pan Jit does not convey any license under its patent rights or rights of others.