

KLD-SMT2 Series Surface Mount DC Power Jack

Features

- 2.0mm and 2.5mm
- Built in DC On/Off Switch
- Screw Machine Contact Center Pin for High Current Capability
- Laptop and Palm Computers, Portable Modems, Radar Detectors, and Other Portable Device Applications
- Surface Mount
- CSA/NRTL Certified File No. LR78160



Materials and Finish

Plastic Housing: Nylon 66 High Temperature Thermoplastic,
UL 94V-0 Rated, Black Color

Center Pin: Brass, Nickel Plated

Contact #1: Phosphor Bronze, Silver Plated

Contact #2 and #3: Brass, Silver Plated

Electrical Characteristics

Contact Resistance

Before Durability Test

Between Terminals: 30 Milliohms Max.

Plug to Contacts: 50 Milliohms Max.

After Durability Test

Between Terminals: 60 Milliohms Max.

Plug to Contacts: 100 Milliohms Max.

Rated Voltage:

DC 24V

Rated Current:

3.5 Amps

Insulation Resistance:

100 Megohms Min.

Dielectric Withstanding Voltage:

500V AC for 1 Minute

DC POWER CONNECTORS

KLD-SMT2 Series

Mechanical Characteristics

Durability Test: 5000 Cycles

Insertion Force: 0.3kg - 2.0kg

Extraction Force: 0.3kg - 2.0kg

Operating Temperature: -25°C to +85°C

Max Reflow Soldering Temperature:

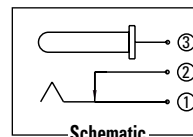
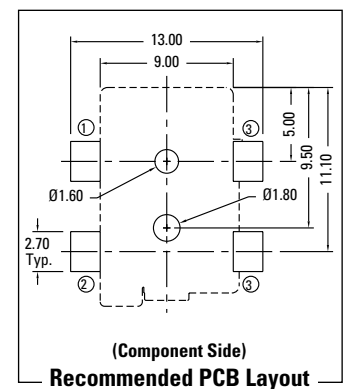
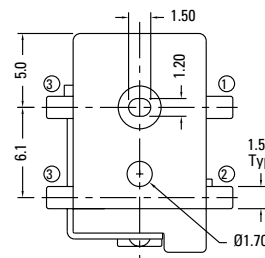
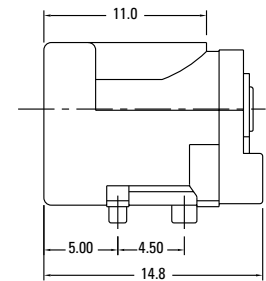
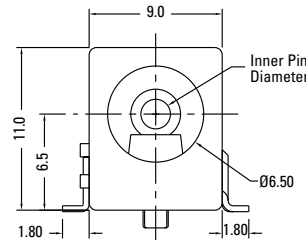
230°C for 30 Seconds

260°C for 10 Seconds

Ordering Information

Part Number*	Inner Pin Diameter	Packaging
KLD-SMT2-0202-A	2.0mm±0.05	Bulk
KLD-SMT2-0202-A-TR	2.0mm±0.05	Tape & Reel
KLD-SMT2-0202-B	2.5mm±0.05	Bulk
KLD-SMT2-0202-B-TR	2.5mm±0.05	Tape & Reel

KLD-SMT2 Series Dimensions



Dimensions in mm