

SERIES 78B Right Angle Option

FEATURES

- Easy Access
- SPST Circuitry
- 1-10 and 12 positions available
- Sealed versions available

APPLICATIONS

Telecommunications, computers and peripherals, instruments and controls.



Series 78B DIMENSIONS in inches (and millimeters)



SPECIFICATIONS

Mechanical

Mechanical Life: 2,000 operations per switch.

Operation Temp: -40°C to + 85°C **Storage Temp:** -55°C to + 85°C **Vibration Test:** Per Method 204, Test Condition B, 1 mS opening (10 mS allowed) **Shock Test:** MIL-STD-202F METHOD 213 Test Condition A, 1ms (10 allowed)

Electrical

Electrical Life: 10,000 operations per switch 24VDC, 25mA.

Non-Switching Rating: 100mA, 50VDC. Switching rating: 150mA, 30DVC; 10mA, 50mVDC

Contact Resistance: $30m\Omega$ max. at initial. Insulation Resistance: (at 100VDC) 5,000M Ω min.

Dielectric Strength: 750VAC/1 minute. Capacitance: 2pF max.

Soldering and Cleaning Process

*For the most current soldering & cleaning processing guidelines, reference Grayhill Dip Switch Processing Information, Bulletin 1234

Cleaning tape sealed products:

Passes immersion test using water/ detergent. Acceptable solutions include 1-1-1 trichlorethane, freon, (TF, TE, or TMS), isopropyl alcohol, detergent (140°F maximum). Terpene acceptable for Series 90 only. Solutions which are not recommended include acetone, methylenechloride, freon TMC.Pressure wash cleaning processes are not recommended for tape seal switches. **Wave Soldering:** Recommended solder temperature: 500°F (260C) max 5 seconds.

Hand Soldering: Use a soldering iron of 30 Watts or less, controlled at 608°F (320° C) approximately 2 seconds while applying solder.

Cleaning: Tape sealed versions withstand cleaning processes.

Materials

Contact Ball: Brass with gold plating over nickel

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Nonconductive Parts: Plastic UL94V-0 Potting Material: Epoxy

Shorting Member (Ball): Brass, gold-plated over nickel barrier.

Protective Cover: Polycarbonate.

Tape Seal: Polyester film

Tape Seal Integrity:Passes gross leak testusing 125°C flourinert for 20 seconds minimum.Reference MIL-STD-202, Method 112.



ORDERING INFORMATION



