MODEL 3272
.350 Square Multiturn Surface Mount Trimming Potentiometer

SPECIFICATIONS*

Electrical Characteristics
- Standard Resistance Range: 100 ohms to 1 megarohm (see standard part number table)
- Resistance Tolerance: ±10% standard (closer tolerance available)
- Absolute Minimum Resistance: 1 ohm maximum
- Contact Resistance Variation: 1% or 1 ohm (whichever is greater)
- Adjustability: Voltage: 0.05% Resistance: 0.1%
- Resolution: Infinite
- Insulation Resistance: 500 VDC, 1000 megarohms minimum
- Dielectric Strength: Sea Level: 600 VAC
  80,000 feet: 250 VAC

Power Rating (300 volts maximum)
- 85°C: 0.25 watt
- 150°C: 0 watt

Temperature Range: 65°C to 150°C

Temperature Coefficient: ±100 ppm/°C maximum

Humidity: MIL-STD-202 Method 106
- IR 100 megarohms minimum

Seal Test: 85°C Fluorinert®

Vibration: 3G
Shock: 100G

Load Life: 1000 hours, 25.5 watt @ 85°C

Mechanical Life: 200 cycles

Physical Characteristics
- Mechanical Angle: 12 turn nominal
- Torque: 3.0 oz-in. maximum
- Mechanical stops: wiper idles
- Terminals: solderable leads
- Weight: Approximately 0.02 oz
- Marking: Manufacturer's name, Resistance value, Terminal numbers, Date code, Manufacturer's model number and style

Environmental Characteristics
- Maximum Exposure (Temp./Time): 215°C/3 minutes

Setting Stability
- (after high temperature exposure): Total Resistance Shift: 1%
- Voltage Ratio Shift: 0.75%

FEATURES
- Exceptional setting stability after high temperature exposure (215°C/3 minutes)
- High temperature construction suitable for refloved solder application.
- Stable, infinite resolution cermet element.
- 0.25 watt power rating at 85°C.
- Low temperature coefficient: ±100 ppm/°C
- Outstanding humidity resistance.
- Sealed to withstand wave soldering or vapor phase reflow.
- Four chevron shaft seal
- Multi-wire wiper to minimize CRV

OBSCOLETE

*Specifications subject to change without notice
**Fluorinert® is a registered trademark of 3M Co.

BOURNS TRIMPOT
1200 Columbia Avenue
Riverside, CA 92507

For quotations or to place an order, call (714) 781-5050

TWX 910 332 1252 CBL BOURNSINC

STANDARD PART NUMBER TABLE

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>3272A</th>
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<tbody>
<tr>
<td>100</td>
<td>3272A-1-101</td>
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</table>

Special resistances available from 100 ohms to 1 megarohm.