



MODEL 3272

.350 Square Multiturn Surface Mount Trimming Potentiometer



FEATURES

- Exceptional setting stability after high temperature exposure (215°C/3 minutes)
- High temperature construction suitable for reflowed 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

OBSOLETE

*Specifications subject to change without notice

**"Fluorinert" is a registered trademark of 3M Co.

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

TWX 910 332 1252 CBL BOURNSINC

TRIMMING POTENTIOMETERS

SPECIFICATIONS*

Electrical Characteristics

Standard Resistance Range
..... 100 ohms to 1 megohm
(see standard part number table)
Resistance Tolerance... ± 10% standard
(closer tolerance available)
Absolute Minimum Resistance
..... 1 ohm maximum
Contact Resistance Variation
..... 1.0% or 1 ohm
(whichever is greater)
Adjustability
Voltage..... ±0.05%
Resistance..... ±0.1%
Resolution..... Infinite
Insulation Resistance..... 500 VDC,
1000 megohms minimum
Dielectric Strength
Sea Level..... 600 VAC
80,000 feet..... 250 VAC

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%

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 megohms minimum

Seal Test

..... 85°C Fluorinert**

Vibration

..... 30G

Shock

..... 100G

Load Life

..... 1000 hours .25 watt @ 85°C

Mechanical Life

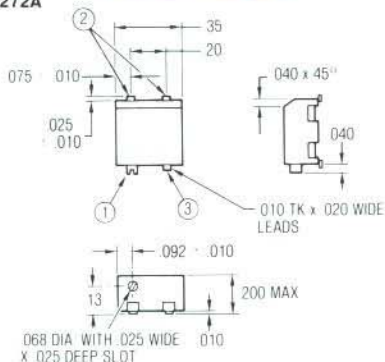
..... 200 cycles

Physical Characteristics

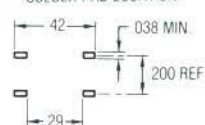
Mechanical Angle..... 12 turn nominal
Torque..... 3.0 oz-in. maximum
Mechanical stops..... wiper idles
Terminals..... solderable leads
Weight..... Approximately 0.02 oz
Marking

- Manufacturer's name
- Resistance value
- Terminal numbers
- Date code
- Manufacturer's model number and style

3272A

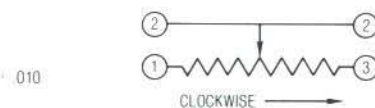
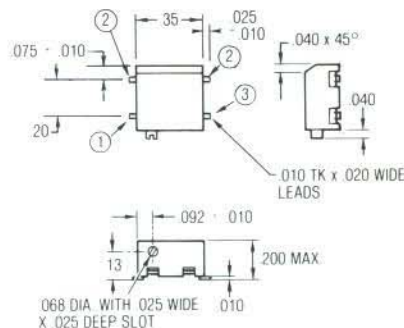


SOLDER PAD LOCATION



TOLERANCES
xxx .005

3272C



STANDARD PART NUMBER TABLE

Resistance (Ohms)	3272A
100	3272A-1-101
200	3272A-1-201
500	3272A-1-501
1,000	3272A-1-102
2,000	3272A-1-202
5,000	3272A-1-502
10,000	3272A-1-103
20,000	3272A-1-203
25,000	3272A-1-253
50,000	3272A-1-503
100,000	3272A-1-104
200,000	3272A-1-204
250,000	3272A-1-254
500,000	3272A-1-504
1,000,000	3272A-1-105

Special resistances available from 100 ohms to 1 megohm.