

AVAILABLE
THROUGH
DISTRIBUTION



BOURNS®

Features

- Low TCR
- Multiturn / Cermet / Industrial / Sealed
- Standoffs allow thorough PC board washing
- Patent #4427966 drive mechanism

Applications

- Rheostat applications with wiper currents less than 25 microamps
- Process control instrumentation
- Power supplies

3266-LTC - 1/4" Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
.....2 K to 25 K ohms
(see standard resistance table)

Resistance Tolerance±10 % std.

Absolute Minimum Resistance
.....1 % or 2 ohms max.
(whichever is greater)

Contact Resistance Variation
.....3.0 % or 3 ohms max.
(whichever is greater)

Adjustability
Voltage.....±0.02 %
Resistance.....±0.05 %
Resolution.....Infinite

Insulation Resistance500 vdc.
1,000 megohms min.

Dielectric Strength
Sea Level.....600 vac
80,000 Feet.....250 vac

Effective Travel.....12 turns nom.

Environmental Characteristics

Power Rating (300 volts max.)
70 °C0.25 watt
150 °C0 watt

Temperature Range
.....-55 °C to +150 °C

Temperature Coefficient
End to End.....±20 ppm/°C
Through the Wiper.....±50 ppm/°C

Seal Test85 °C Fluorinert*

Humidity.....MIL-STD-202 Method 103
96 hours (2 % ΔTR, 10 Megohms IR)

Vibration.....30 G (1 % ΔTR; 1 % ΔVR)

Shock.....100 G (1 % ΔTR; 1 % ΔVR)

Load Life ...1,000 hours 0.25 watt 70 °C
(3 % ΔTR; 3 % CRV)

Rotational Life.....200 cycles
(4 % ΔTR; 3 % or 3 ohms,
whichever is greater, CRV)

Physical Characteristics

Torque3.0 oz-in. max.

Mechanical Stops.....Wiper idles

TerminalsSolderable pins

Weight0.015 oz.

MarkingManufacturer's
trademark, resistance code,
wiring diagram, date code,
manufacturer's model
number and style

Wiper.....50 % ±10%

FlammabilityU.L. 94V-0

Standard Packaging50 pcs. per tube

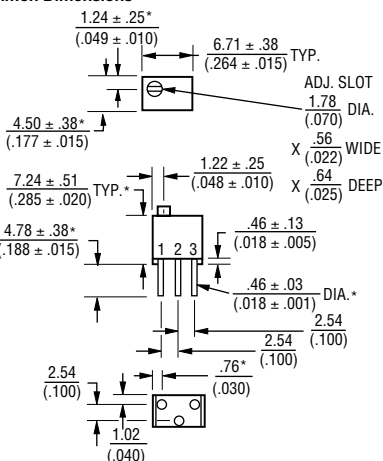
Adjustment ToolH-90

NOTE: TCR through the wiper applies when 40 % or more of the resistance element is in the circuit.

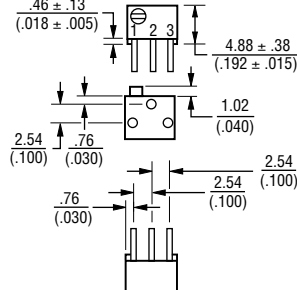
*"FLUORINERT" IS A REGISTERED TRADEMARK OF 3M CO.

3266W

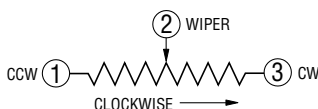
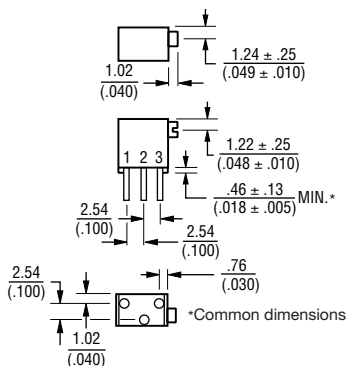
Common Dimensions



3266P



3266X



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

Standard Resistance Table

Resistance (Ohms)	Resistance Code
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253

Popular values listed in boldface. Special resistances available.

How To Order

Model **3266 W - LTC - 103**

Style _____

Product Indicator _____

Resistance Code _____

Consult factory for other available options.