

## Features

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



Model 3266-LTC is currently available, although not recommended for new designs. Model 3266 is preferred.

## 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 .....  $\pm 10\%$  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 .....  $\pm 0.02\%$   
Resistance .....  $\pm 0.05\%$   
Resolution ..... Infinite  
Insulation Resistance ..... 500 vdc.  
1,000 megohms min.  
Dielectric Strength  
Sea Level ..... 600 vac  
80,000 Feet ..... 250 vac  
Effective Travel ..... 12 turns nom.

## Environmental Characteristics

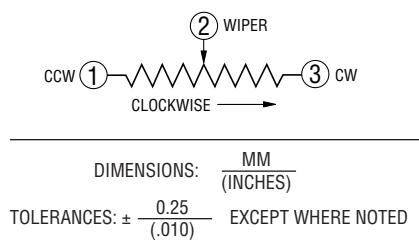
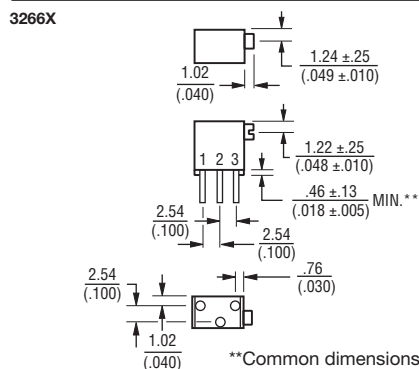
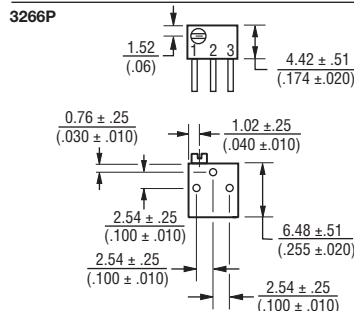
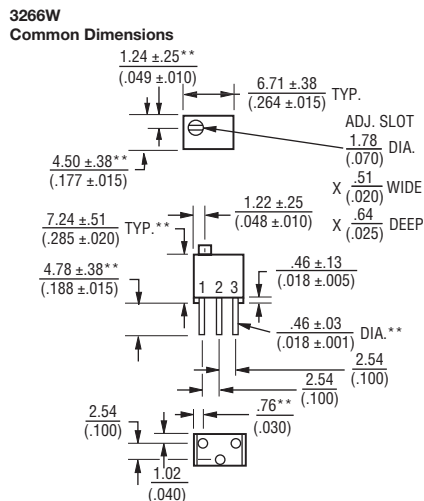
Power Rating (300 volts max.)  
70  $^{\circ}\text{C}$  ..... 0.25 watt  
150  $^{\circ}\text{C}$  ..... 0 watt  
Temperature Range ..... -55  $^{\circ}\text{C}$  to +150  $^{\circ}\text{C}$   
Temperature Coefficient  
End to End .....  $\pm 20$  ppm/ $^{\circ}\text{C}$   
Through the Wiper .....  $\pm 50$  ppm/ $^{\circ}\text{C}$   
Seal Test ..... 85  $^{\circ}\text{C}$  Fluorinert†  
Humidity ..... MIL-STD-202 Method 103  
96 hours (2  $\%$   $\Delta\text{TR}$ , 10 Megohms IR)  
Vibration ..... 30 G (1  $\%$   $\Delta\text{TR}$ ; 1  $\%$   $\Delta\text{VR}$ )  
Shock ..... 100 G (1  $\%$   $\Delta\text{TR}$ ; 1  $\%$   $\Delta\text{VR}$ )  
Load Life... 1,000 hours 0.25 watt 70  $^{\circ}\text{C}$   
(3  $\%$   $\Delta\text{TR}$ ; 3  $\%$  CRV)  
Rotational Life ..... 200 cycles  
(4  $\%$   $\Delta\text{TR}$ ; 3  $\%$  or 3 ohms, whichever is greater, CRV)

## Physical Characteristics

Torque ..... 3.0 oz-in. max.  
Mechanical Stops ..... Wiper idles  
Terminals ..... Solderable pins  
Weight ..... 0.015 oz.  
Marking ..... Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style  
Wiper ..... 50  $\%$   $\pm 10\%$   
Flammability ..... U.L. 94V-0  
Standard Packaging ..... 50 pcs. per tube  
Adjustment Tool ..... H-90

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

## Product Dimensions



## Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| <b>2,000</b>      | <b>202</b>      |
| <b>5,000</b>      | <b>502</b>      |
| <b>10,000</b>     | <b>103</b>      |
| <b>20,000</b>     | <b>203</b>      |
| <b>25,000</b>     | <b>253</b>      |

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.

REV. 04/09

†"Fluorinert" is a registered trademark of 3M Co. Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications