3296-LTC - 3/8" Square Trimpot® Trimming Potentiometer

Features
- Low TCR
- Multiturn / Cermet / Industrial / Sealed
- 3 terminal styles
- Chevron seal design
- Mounting hardware available (H-117P)
- RoHS compliant* version available

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

Electrical Characteristics

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

Resistance Tolerance...±10% std. (tighter tolerance available)

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

Contact Resistance Variation
1.0 % or 3 ohms max. (whichever is greater)

Adjustability
Voltage...±0.01%
Resistance...±0.05%
Resolution...Infinite

Insulation Resistance
500 Vac.
1,000 Megohms min.

Dielectric Strength
Sea Level...900 Vac
70,000 Feet...350 Vac

Effective Travel
25 turns nom.

Environmental Characteristics

Power Rating (300 volts max.)
70 °C...0.5 watt
125 °C...0 watt

Temperature Range
-55 °C to +150 °C

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

Seal Test
85 °C Fluorinert†

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

Vibration
20 G (1 % ΔTR; 1 % ΔVR)

Shock
100 G (1 % ΔTR; 1 % ΔVR)

Load Life
1,000 hours 0.5 watt @ 70 °C
(3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

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

Physical Characteristics

Torque...3.0 oz-in. max.
Mechanical Stops...Wiper idles
Terminals...Solderable pins
Weight...0.03 oz.
Marking...Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style

Wiper...50 % ±10 %

Flammability...U.L. 94V-0

Standard Packaging...50 pcs. per tube

Adjustment Tool...H-90

TOLERANCES: ±0.25 \( (0.010) \) EXCEPT WHERE NOTED

How To Order

Model 3296-LTC is obsolete and not recommended for new designs. Model 3296 is preferred.

How To Order

3296 W - LTC - 103 LF

Model
Style
Product Indicator
Resistance Code
Terminations

LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.