Additional Information

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- **INVENTORY**
- **SAMPLES**
- **CONTACT**

### Electrical Characteristics

**Standard Resistance Range**

- 10 ohms to 2 megohms (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 %

**Resolution**

- ±0.05 %

**Insulation Resistance**

- 500VDC: 1,000 megohms min.

**Dielectric Strength**

- 1,000VDC: 1,000 megohms

**Seal Test**

- 900 vac, 40 °C

**Humidity**

- 70 °C: 90% RH, 25% max., 35% vac

**Temperature Coefficient**

- ±100 ppm/°C

**Temperature Range**

- -55 °C to +125 °C

**Relative Humidity**

- 85 °C: Fluorinert†

**Shock**

- 1,000G (1% ΔTR, 1% ΔVR)

**Vibration**

- 20G (1% ΔTR, 1% ΔVR)

**Rotational Life**

- 200 cycles @ 0.5 watt

**Load Life**

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

**Moisture Sensitivity Level**

- N/A

**ESD Classification (HBM)**

- ±10 V

### Environmental Characteristics

**Power Rating** (300 volts max.)

- 70 °C: 0.5 watt
- 125 °C: 0 watt

**Temperature Range**

- -55 °C to +125 °C

**Temperature Coefficient**

- ±100 ppm/°C

**Seal Test**

- 85 °C: Fluorinert†

**Humidity**

- MIL-STD-202 Method 103

**Shock**


**Vibration**


**Rotational Life**

- 200 cycles @ 0.5 watt

**Load Life**

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

**Moisture Sensitivity Level**

- N/A

**ESD Classification (HBM)**

- ±10 V

### Physical Characteristics

**Torque**

- 3.0 oz-in. max.

**Mechanical Stops**

- Wiper idle stops

**Weight**

- Solderable pins: 0.03 oz.

**Marking**

- Manufacturer’s trademark, resistance code, wiring diagram, date code, mfr’s. model number and style

**Wiper**

- 50 % (Actual TR) ±10 %

**Flammability**

- UL 94V-0

**Standard Packaging**

- 50 pcs. per tube

**Adjustment Tool**

- H-90

**Storage Condition**

- 40 °C max. / 70 % R.H. max.

### How To Order

**Model**

- 3296 W - 1 - 103 _ LF

**Standard or Modified**

- Standard Product

**Product Indicator**

- 1 = Standard Product

**Resistance Code**

- LF = 100 % Tin-plated (RoHS compliant)
- Blank = Tube (Standard)
- R = Tape and Reel (X and W Pin Styles Only)
- A = Ammo Pack (X and W Pin Styles Only)

**Packaging Designator**

- 1 = Standard Product
- Blank = Tube (Standard)
- R = Tape and Reel (X and W Pin Styles Only)
- A = Ammo Pack (X and W Pin Styles Only)

**Tape and reel material meets Antistatic ANSI/ESD S541-2003 packaging standards.**

**Terminations**

- LF = 100 % Tin-plated (RoHS compliant)

**Consult factory for other available options.**

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**Warning:**

Cancer and Reproductive Harm

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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3296 - 3/8” Square Trimpot® Trimming Potentiometer

Packaging Specifications

**SIDE ADJUST**
3296X-1

**TOP ADJUST**
3296W-1

Meets EIA Specification 468.
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