Features

- Conductive plastic
- Linear tapers
- Audio tapers available
- PC board and bushing mount
- Plastic bushing and plastic shaft
- Withstands typical industrial washing processes
- RoHS compliant* version available

3360 - 6 mm Square Sealed Panel Control

Electrical Characteristics

Standard Resistance Range
- Linear .................. 1K ohms to 1 megohm
- Total Resistance Tolerance
- Linear Tapers .................. ±20 %
- Independent Linearity .................. ±5 %

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

Effective Electrical Angle .... 240° nominal

Contact Resistance Variation
- 1 % or 3 ohms max.
- (whichever is greater)

Dielectric Withstanding Voltage (MIL-STD-202 – Method 301)
- Sea Level .............. 900 VAC minimum
- 70,000 Feet ........... 350 VAC minimum
- Insulation Resistance .................. 1,000 megohms minimum
- Power Rating @ 70 °C
- (Derate to 0 at 125 °C
- Voltage Limited By Power Dissipation or 200 VAC, Whichever is Less)
- 25 watts
- Audio Tapers .................. 0.125 watts
- Theoretical Resolution .................. Essentially infinite

Environmental Characteristics

Operating Temperature Range
- +1 °C to +125 °C
- Storage Temperature Range
- -55 °C to +125 °C
- Temperature Coefficient
- ±1,000 ppm/°C
- Vibration .................. 30 G
- Total Resistance Shift .... ±2 % maximum
- Voltage Ratio Shift .... ±2 % maximum
- Shock .................. 100 G
- Total Resistance Shift .... ±2 % maximum
- Voltage Ratio Shift .... ±2 % maximum
- Load Life .................. 1,000 Hours
- Total Resistance Shift .................. ±10 % TRS maximum
- Rotational Life (No Load) ........ 50,000 Cycles
- Total Resistance Shift .................. ±5 % TRS maximum
- Contact Resistance Variation
- ±3 % or 3 ohms, whichever is greater
- Moisture Resistance ............ MIL-STD-202, Method 103, Condition B
- Total Resistance Shift .................. ±10 % TRS maximum
- IP Rating .................. IP 67

Physical Characteristics

Stop Strength ............ 5.65 N-cm (8 oz.-in.)
- Mechanical Angle ............ 310° nominal
- Torque
- Starting ............ 3.53 N-cm (5.0 oz.-in.) maximum
- Running ............ 3.53 N-cm (5.0 oz.-in.) maximum
- Mounting (Torque on Bushing)
- 17 N-cm (1.5 lb.-in.) maximum
- (plastic bushing)
- Weight .................. 4.5 grams
- Terminals .................. Solderable pins
- Soldering Condition
- 5 seconds at 360 °C maximum.
- Recommended hand soldering using Sn95/Ag5 no clean solder, 0.025 wire diameter.
- Marking ............ Manufacturer’s trademark, model number, product code, terminal style, resistance code and date code
- Flammability ............ Conforms to UL94V-0
- Epoxy .................. Conforms to UL94V-1
- Hardware (purchased separately)
- Nut .................. H-38-1
- Washer .................. H-37-5
- Popular distribution resistance values listed in boldface. Special resistances available.

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000</td>
<td>102</td>
</tr>
<tr>
<td>2,000</td>
<td>202</td>
</tr>
<tr>
<td>5,000</td>
<td>502</td>
</tr>
<tr>
<td>10,000</td>
<td>103</td>
</tr>
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<td>204</td>
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<tr>
<td>500,000</td>
<td>504</td>
</tr>
<tr>
<td>1,000,000</td>
<td>105</td>
</tr>
</tbody>
</table>

How To Order

Model 3360 Y - 1 - 103 LF

- Terminal Style Designator
  - C = In-line Straight
  - P = 5.08 mm x 2.54 mm Triangular Pattern
  - R = Rear Exit
- Bushing Designator
  - 1 = Standard

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

- Marking
  - Manufacturer’s trademark, model number, product code, terminal style, resistance code

- Flammability
  - Conforms to UL94V-0

- Epoxy
  - Conforms to UL94V-1

- Hardware (purchased separately)

- Nut Diameter
  - H-38-1

- Washer Diameter
  - H-37-5

- Total Resistance Shift
  - ±10 % TRS maximum

- Rotational Life
  - 50,000 Cycles

- Total Resistance Shift
  - ±5 % TRS maximum

- Contact Resistance Variation
  - ±3 % or 3 ohms, whichever is greater

- Moisture Resistance
  - MIL-STD-202, Method 103, Condition B

- Total Resistance Shift
  - ±10 % TRS maximum

- IP Rating
  - IP 67


Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.
3360 - 6 mm Square Sealed Panel Control

Product Dimensions

COMMON DIMENSIONS

3360C

3360P

3360Y

For more information about this product, visit our website at:

www.potentiometers.com

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