Features
- Diecast housing (bushing) and shaft
- Additional models and versions available; special data sheets can be requested
- Carbon resistive element

Characteristics
- Mechanical Angle: 270° ± 5°
- Starting Torque: 0.5 to 1.5 Ncm
- End Stop Strength: 60 Ncm max.
- Shaft Push-Pull Force: 100 N max.
- Resistance Range: 100 ohms to 4.7 megohms
- Resistance Taper: Linear
- Power Rating: 0.2 W
- Temperature Range: -25°C to +70°C
- Rotational Life: 10,000 cycles

Standard Resistance Table

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
<th>Resistance Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>101</td>
</tr>
<tr>
<td>220</td>
<td>221</td>
</tr>
<tr>
<td>470</td>
<td>471</td>
</tr>
<tr>
<td>500</td>
<td>501</td>
</tr>
<tr>
<td>1,000</td>
<td>102</td>
</tr>
<tr>
<td>2,200</td>
<td>222</td>
</tr>
<tr>
<td>4,700</td>
<td>472</td>
</tr>
<tr>
<td>5,000</td>
<td>502</td>
</tr>
<tr>
<td>10,000</td>
<td>103</td>
</tr>
<tr>
<td>22,000</td>
<td>223</td>
</tr>
<tr>
<td>47,000</td>
<td>473</td>
</tr>
<tr>
<td>50,000</td>
<td>503</td>
</tr>
<tr>
<td>100,000</td>
<td>104</td>
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<tr>
<td>220,000</td>
<td>224</td>
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<tr>
<td>470,000</td>
<td>474</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>

0502-000

Product Dimensions

| 0502-000 |
|-------------------|----------------|
| 2.0 (0.079)       | 21.6 (330) ca |
| 2.5 ± 0.2 (0.098 ± 0.008) |

0502-050

| 2.0 (0.079)       | 21.6 (330) ca |
| 2.5 ± 0.2 (0.098 ± 0.008) |

Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.
0502 - Rotary Potentiometer

Product Dimensions

0502-900

Recommended PCB Layout

0502-950

Recommended PCB Layout

How to Order

Model Type
  • 0502

Terminal Style
  Only Available w/
  Bushing Code:
  • 000 G,H,U
  • 050 K,M,N
  • 300 G,H,U
  • 600 G,H,U
  • 900 G,H,U
  • 950 K,M,N

Bushing & Shaft Type
  U = 7 mmD x 8 mmL,
  Shaft 4 mmD
  H = 7 mmD x 5 mmL,
  Shaft 4 mmD
  G = 7 mmD x 12 mmL,
  Shaft 4 mmD
  K = 10 mmD x 8 mmL,
  Shaft 6 mmD
  M = 10 mmD x 5 mmL,
  Shaft 6 mmD
  N = 10 mmD x 12 mmL,
  Shaft 6 mmD

Shaft Length
  • 500 = 50 mm
  Other lengths avail. upon request.

Independent Linearity
  A = ±5 %
  B = ±4 %
  C = ±3 %
  D = ±2.5 %
  E = ±2 %

Element Taper
  B = Linear Carbon ±20 %
  E = Linear Carbon ±10 %
  L = Linear Carbon ±5 %

Resistance Code
  Other versions available upon request.

Dimensions are: MM (INCHES)

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

For more information about this product, visit our website at:
www.potentiometers.com