Features

- Compact size
- Stainless steel 1/4” diameter shaft
- Turret type, solder plated terminals
- Plastic housing with non-turn pin

Spectrol 357 Series

Potentiometer – 1 Watt, 7/8” round case, 1/4” dia. shaft, single turn

<table>
<thead>
<tr>
<th>Spectrol No.</th>
<th>NTE Part No.</th>
<th>Value (Ohms)</th>
<th>Shaft Length</th>
<th>Diag no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>357−0−0−102</td>
<td>502−0080</td>
<td>1K</td>
<td>7/8”</td>
<td>P11</td>
</tr>
<tr>
<td>357−0−0−202</td>
<td>502−0081</td>
<td>2K</td>
<td>7/8”</td>
<td>P11</td>
</tr>
<tr>
<td>357−0−0−502</td>
<td>502−0082</td>
<td>5K</td>
<td>7/8”</td>
<td>P11</td>
</tr>
<tr>
<td>357−0−0−103</td>
<td>502−0083</td>
<td>10K</td>
<td>7/8”</td>
<td>P11</td>
</tr>
<tr>
<td>357−2−0−203</td>
<td>502−0084</td>
<td>20K</td>
<td>7/8”</td>
<td>P11</td>
</tr>
<tr>
<td>357−2−0−503</td>
<td>502−0085</td>
<td>50K</td>
<td>7/8”</td>
<td>P11</td>
</tr>
</tbody>
</table>

NOTE: 357−0−XX−XXX types are continuous rotation
      357−2−XX−XXX types contain rotation stops

Specifications

Electrical

Resistance Range – Linear Taper: 1K Ω to 50K Ω
Resistance Tolerance: ±20%
Power Rating: 1 Watt @ 70°C derated to 0 Watts @ 125°C
Temperature Coefficient of Resistance: ±600ppm/°C
Linearity Tolerance: ±2% independent
Output Smoothness: 0.1% max
Insulation Resistance: 1000 Meg Ω min, 500VDC
Dielectric Strength: 1000V RMS min 50Hz
End Voltage: 0.5% max
Electrical Travel: 340° ±3°
Rotation Life: 2,000,000 shaft revolutions

Mechanical

Bearing Type Bushing: Sleeve bearing
Resistance Element: Conductive plastic
Mechanical Rotation: 360° (Continuous), 340° ±3° (With Stops)
Starting and Running Torque: 3.68mNm (0.5 oz in)
Shaft Tolerance: 0.13 mm (Runout)
                      0.25 mm (End Play)
                      0.13 mm (Radial Play)
Rotation Life: 10,000,000 shaft revolutions

Environmental

Operating Temperature: −55°C to +125°C
Load Life: 1000 hr.