Features
- Flatted plastic shaft option
- Horizontal & vertical mount option
- Dual-potentiometer
- Center tap option
- Audio & linear tapers
- PC pin layout for board mount
- RoHS compliant*

Electrical Characteristics
- Standard Resistance 5k ohms to 500k ohms
- Standard Resistance Tolerance ±20 %
- Residual Resistance 0.6 % max.
- Insulation Resistance 100 megohms minimum @ 250V DC
- Dielectric Withstanding Voltage
  - Sea Level 300 V AC min.
  - Tap Residual Resistance 100 ohms
- Maximum Operating Voltage 50 V AC
- Sliding Noise 100 mV max.

Environmental Characteristics
- Operating Temperature -10 °C to +70 °C
- Storage Temperature -30 °C to +70 °C
- Wave Soldering 260 °C for 5 s
- Manual Soldering 350 °C for 3 s
- IP Rating IP 40

Mechanical Characteristics
- Mechanical Angle 300 ° ± 5 ° max.
- Starting & Running Torque 30-200 gf-cm
- Detent Torque 30-300 gf-cm
- Mounting Torque 10 kgf-cm max.
- Stop Strength 5 kgf-cm min.
- Rotational Life 15,000 cycles min.

Additional Information
Click these links for more information:

| PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT |

WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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**Shaft & Bushing Dimensions**

<table>
<thead>
<tr>
<th></th>
<th>Without Bushing</th>
<th>With Bushing</th>
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<tbody>
<tr>
<td><strong>Horizontal</strong></td>
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<td></td>
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<td></td>
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<tr>
<td><strong>Vertical</strong></td>
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<table>
<thead>
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<th></th>
<th>15 (591)</th>
<th>20 (787)</th>
<th>25 (984)</th>
<th>30 (1,181)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LM1</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Q1</strong></td>
<td>4.5 (1.177)</td>
<td>7 (2.76)</td>
<td>12 (4.72)</td>
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</table>

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<th>15 (591)</th>
<th>17.5 (.889)</th>
<th>20 (787)</th>
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**Tapers**

**A Series**

**B Series**

**C Series**

**How To Order**

<table>
<thead>
<tr>
<th>Model</th>
<th>PRS14R - 40015 - 103 B1</th>
</tr>
</thead>
</table>
| **Orientation** | 1 = PC Pins   vertical / side facing  
                 2 = PC Pins   vertical / side facing bushing  
                 3 = PC Pins   horizontal / rear facing  
                 4 = PC Pins   horizontal / rear facing bushing |
| **Detent Configuration** | 0 = No Detent   
                             1 = Center Detent |
| **Center Tap** | 0 = No Tap   
                 1 = Center Tap |
| **Shaft Length** | 12 = 12 mm (bushing version only)  
                        15 = 15 mm   
                        17 = 17.5 mm (bushing version only)  
                        20 = 20 mm   
                        22 = 22.5 mm (bushing version only)  
                        25 = 25 mm   
                        30 = 30 mm   |
| **Resistance Code (see table)** |
| **Resistance Taper (see Taper charts)** |

**Resistance Table**

<table>
<thead>
<tr>
<th>Resistance (Ohms)</th>
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<tr>
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<tr>
<td>10,000</td>
<td>103</td>
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<td>500,000</td>
<td>504</td>
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</tbody>
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Derating Curve

Circuit

Hardware

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