Applications by Market

Aerospace & Military
- Avionics
- Control Systems
- Laser Altimeters
- Military Radios
- Radar Systems
- Transmission Equipment

Communications
- Power Supplies
- Base Stations
- GPS Navigation
- Portable/Handheld Devices
- Satellite Systems
- Seat-Top Boxes

Industrial
- 3D Printers
- Automation Equipment
- Automated Gates/Doors
- Barcode Scanners
- CCTV Cameras
- Fire Alarms

Industrial (Continued)
- Industrial/Graphic Printers
- Laser Diode Drivers
- Metal Detectors
- Power Supplies
- Proximity Sensors
- Relays
- RFID Systems
- Sensors
- Smoke Detectors

Professional Audio
- Electric Guitars
- Instrument Amplifiers
- Keyboards
- Microphones
- Sound Processors
- Sound Recording Equipment
- Video Editing Stations

Medical*
- Blood Chemical Analyzers
- Communication Equipment
- Medical Diagnostic Equipment
- Medical Monitors
- Power Supplies
- Scanners
- Temperature and Respiratory Monitors
- Timers

Worldwide Sales Offices

Country/Region | Phone | Email
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Taiwan | +886 2 25624117 | asiacus@bourns.com
Other Asia-Pacific Countries | +866 2 25624117 | asiacus@bourns.com

Technical Assistance Region

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*“Bourns” products are available through markets and distributors in the following product categories: Aerospace & Military, Consumer/Industrial, Communications, Industrial, Professional Audio, Medical, and Professional Video. Additional information on these products can be obtained from our distributors or by visiting www.bourns.com. All Bourns products are subject to change without notice due to the influence of other variables, including, but not limited to, environmental conditions. Consultation with qualified engineers is advised prior to purchase or application.

Bourns® Sealed Through-Hole Cermet Trimming Potentiometers

www.bourns.com
Introduction

Bourns® Trimpot® Potentiometer Product Line offers the widest array of through-hole sealed trimming potentiometers in the industry and has continued to expand with new trimmers acquired from Monroe PV, Muncy, and cermet potentiometer product line. Bourns® Trimpot® Potentiometer Product Line was developed using all of Bourns’ core competencies: ceramic, thick-film printing, welding and housing to offer the most reliable electronic products. Bourns is the only company in the world that manufactures both trimmers and potentiometers (industrial, military, and RF) with the same manufacturing facilities. Bourns® Trimpot® products are available in RoHS compliant* versions. All of our manufacturing facilities are ISO 9001 and ISO 14001 certified.

The Bourns Trimpot® Potentiometer Product Line offers various specialty options for your specific application. Product is available in extended and shortened terminals, shaft extensions, long-life moisture elements, tighter total tolerances, and specific temperature ranges. Bourns® Trimpot® products offer specials from prototypes to high-volume quantifies, allowing for customized product to meet your needs.

Visit our website, www.bourns.com, for the most up-to-date specifications. Purchase through Bourns’ authorized distributors to ensure a continual supply of genuine Bourns® products.

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Introduction

Bourns® Trimmer Potentiometer Product Line offers the widest array of Through-Hole trimpotentiometers in the industry and has continued to expand with four new trimmers acquired from Murata’s PV trimming potentiometer product line. The Bourns Trimmer Potentiometer Product Line was developed using all of Bourns’ core competencies: ceramic, thick-film printing, welding and sealing to offer the most reliable ceramic products. Bourns® products are RoHS compliant* and HAL(e) compliant. Bourns® offers assembly and sealing options for your specific application. Packaging options are available (W & U pin styles only).

Visit our website, www.bourns.com, for the most up-to-date specifications. For information on Bourns® authorized distribution to ensure a continual supply of genuine Bourns® products.

Bourns® Trimmer Potentiometer products are available in RoHS compliant versions. All of our manufacturing facilities are ISO 9001 and ISO 14001 certified.

Bourns® Trimmer Potentiometer Product Line offers various special options for your specific application. Product is available in extended and shortened terminals, shaft extensions, long-life resistance elements, tighter total life, etc. Bourns® Trimmer Potentiometers offer specials from prototype to high volume quantities, allowing for customized product to meet your needs.

For more information, please contact your local Bourns® sales representative.

To contact your local Bourns® sales representative, call 1-800-346-1981 or visit www.bourns.com.
Bourns® Sealed Through-Hole Cermet Trimming Potentiometers

### Features
- **Temperature Ranges:**
  - 1/2" (12 mm) pots feature a temperature range of -55°C to 125°C.
- **Tolerance:**
  - 12 ±10% (T, S) and 12 ±100 ppm/°C (rotational) are available.
- **Power Rating:**
  - 0.25 Watts and 0.5 Watts are available.
- **Resistance Options:**
  - 10 Ohms to 1 Megohm are available.
- **Coefficient of Temp. Change:**
  - +150°C Range: ±10% (T, S) and ±100 ppm/°C (rotational) are available.

### Packaging Options
- **Life Number of Turns:**
  - 200 cycles are available for most models.
- **Power Rating:**
  - 0.25 Watts and 0.5 Watts are available.
- **Resistance Range:**
  - 10 Ohms to 1 Megohm are available.
- **Resistance Tolerance:**
  - 12 ±10% (T, S) and 12 ±100 ppm/°C (rotational) are available.
- **Temp. Coefficient:**
  - ±10% (T, S) and ±100 ppm/°C (rotational) are available.

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### Introduction
Bourns Trimpot® Potentiometer Product Line offers a wide range of through-hole trimmed potentiometers in the industry and has continued to expand with new trimmers acquired from Murata. The new products are available in both the 12 mm (1/2") and 15 mm (3/4") (M, U & P pin styles only) through-hole trimmers, along with the broadened offering of QFL Approvals (IEC, EN 60 947-5-5) through-hole trimmers.

Visit our website, www.bourns.com, for the most up-to-date specifications. Through Bourns’ authorized distribution network to ensure a continual supply of genuine Bourns® products.

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### Models and Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Rotational Life</th>
<th>Number of Turns</th>
<th>Power Rating</th>
<th>Resistance Range</th>
<th>Resistance Tolerance</th>
<th>Temp. Coefficient</th>
<th>Features</th>
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</thead>
<tbody>
<tr>
<td>3006</td>
<td>200 cycles</td>
<td>15</td>
<td>0.25 Watts</td>
<td>10 Ohms to 1 Megohm</td>
<td>±10% (T, S)</td>
<td>±100 ppm/°C</td>
<td>Features</td>
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<tr>
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<td>200 cycles</td>
<td>25</td>
<td>0.25 Watts</td>
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<td>3299</td>
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<td>0.5 Watts</td>
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<td>±10% (T, S)</td>
<td>±100 ppm/°C</td>
<td>Features</td>
</tr>
</tbody>
</table>

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### Notes
1. See Note 1 for recommended cable information.
2. Available with transparent housing (P style only).
3. Flexible L "flying" terminal.

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* See Bourns’ Data Sheets for complete specifications.
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Instrumentation
- • Analytical Equipment
  • Calibration Equipment
  • Counters
  • Laser Scanners
  • Medical Diagnostic Equipment
  • Network Analyzers
  • Oscilloscopes
  • Power Supplies
  • Radiation and X-ray Testers
  • Timers

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