

Bourns® Sealed Through-Hole Cermet Trimming Potentiometers

Short Form Brochure



BOURNS®

Applications by Market

Communications

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

Industrial

- Automation Equipment
- Automated Gates/Doors
- Barcode Scanners
- CCTV Cameras
- Fire Alarms
- Fluid Measurements
- Industrial/Graphic Printers
- Laser Diode Drivers
- Metal Detectors
- Proximity Sensors
- Relays
- RFID Systems
- Sensors
- Smoke Detectors

Instrumentation

- Calibration Equipment
- Counters
- Laser Scanners
- Medical Diagnostic Equipment
- Network Analyzers
- Oscilloscopes
- Power Supplies
- Radiation and X-ray Testers
- Timers

Aerospace & Military

- Analytical Equipment
- Avionics
- Control Systems
- Laser Altimeters
- Military Radios
- Radar Systems
- Transmission Equipment

Professional Audio

- Electric Guitars
- Instrument Amplifiers
- Keyboards
- Mixing Consoles
- Sound Processors
- Sound Recording Equipment
- Video Editing Stations

Medical*

- Blood Chemical Analyzers
- Communication Equipment
- Medical Meters
- Power Supplies
- Scanners
- Temperature and Respiratory Monitors

**excluding critical life support*



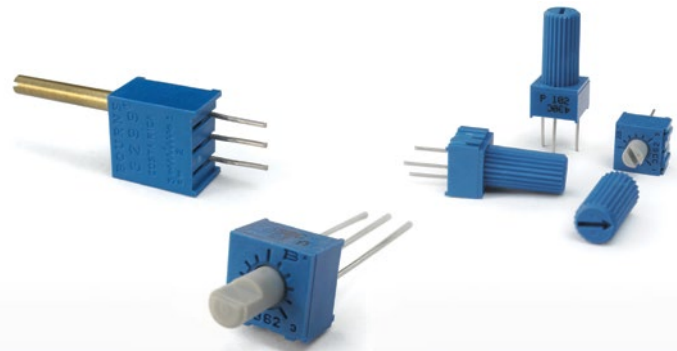
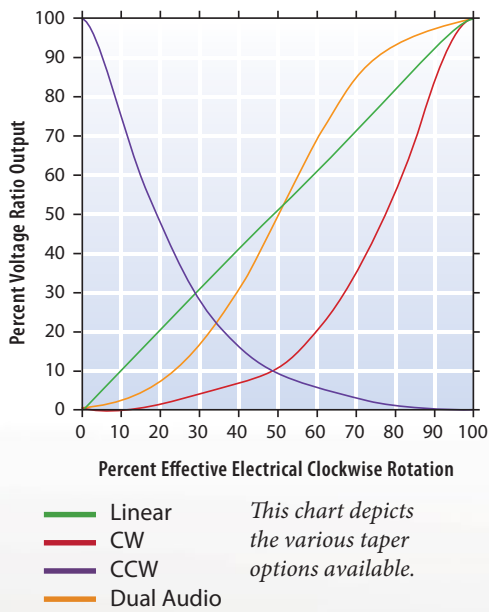
Introduction

Bourns Trimpot Potentiometer Product Line offers the widest array of through-hole sealed trimming potentiometers in the industry and has continued to expand with four new trimmers acquired from Murata's PV trimming potentiometer product line. The Bourns Trimpot Potentiometer Product Line was developed using all of Bourns' core competencies; ceramics, thick-film printing, welding and brazing to offer the most reliable electronic products. Bourns is the ONLY company in the world manufacturing high-reliability (RJ/R, MIL-PRF-39035) military trimmers, along with the broadest offering of QPL Approved (R), MIL-PRF-22097) military trimmers.

Bourns® Trimpot® Potentiometer 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 special options for your specific application. Product is available in extended and shortened terminals, shaft extensions, long-life resistance elements, tighter total resistance tolerances, audio tapers and hardware-mounted. Bourns Trimpot Potentiometers offer specials from prototypes to high volume quantities, 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.



Model Number	Number of Turns		Terminal Lengths						Packaging Options	Adjustment
	Single	Multi	6 mm (1/4")	6 mm (5/16")	9 mm (3/8")	12 mm (1/2")	19 mm (3/4")	31 mm (1-1/4")	See Note 1	See Note 2
3006		x					x		T	S
3009		x					x		T	S
3059		x						x	T, B	S
3252		x				x			T, B	T, S
3262		x	x						T	T, S
3266		x	x						T, R	T, S
3292		x			x				T, B	T, S
3296		x			x				T, R	T, S
3299		x			x				T	T, S
3329	x		x						T, R	T, S
3339		x		x					T	T, S
3362	x		x						T, R	T, S
3386	x				x				T, R	T, S
PV32	x		x						T, R	T, S
PV36		x			x				T, R	T, S
PV37		x	x						T, R	T, S
PV12		x		x					T	T, S









Note 1: T = Tube, B = Bulk, R = Tape and Reel

Note 2: T = Top Adjustment, S = Side Adjustment

Bourns® Sealed Through-Hole Cermet Trimming

Part Number	Rotational Life	Number of Turns	Power Rating	Resistance Range	Resistance Tolerance	Temp. Coefficient	Temp. Range	Features
 3006	200 cycles	15	0.75 Watts @ 70 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +125 °C	<ul style="list-style-type: none"> • ¾" Rectangular • Low PCB profile • Available with transparent housing (P style only) • Sealed to IP 67 • Panel mount available • RoHS compliant*
 3009	200 cycles	15	0.75 Watts @ 70 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • ¾" Rectangular • Available with transparent housing (P style only) • Sealed to IP 67 • Panel mount option • RoHS compliant*
 3059	200 cycles	22	1.0 Watts @ 70 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • 1¼" Rectangular • Sealed to IP 67 • Panel mount option • J-hook pin style • Listed on the QPL for RJ12 per MIL-PRF-22097 • RoHS compliant*
 3252	200 cycles	25	0.75 Watts @ 85 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-65 °C to +150 °C	<ul style="list-style-type: none"> • ½" Square • Panel mount option • Flexible L "flying" terminal version available • Sealed to IP 67 • Listed on the QPL for RJ22 per MIL-PRF-22097 • RoHS compliant*
 3262	200 cycles	12	0.25 Watts @ 85 °C	10 Ohms to 1 Megohm	±10 %	±100 ppm/°C	-65 °C to +150 °C	<ul style="list-style-type: none"> • ¼" Square • Low PCB profile • Listed on the QPL for RJ26 per MIL-PRF-22097 • Sealed to IP 67 • Listed on the QPL for RJR26 per High-Rel MIL-PRF-39035 • RoHS compliant*
 3266	200 cycles	12	0.25 Watts @ 70 °C	10 Ohms to 1 Megohm	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • ¼" Square • Standoffs allow thorough PCB washing • Tape & reel and ammo pack packaging available (Z & Y pin styles only) • Sealed to IP 67 • Listed on the QPL for RJR26 per MIL-PRF-39035 (A & B pin styles only) • RoHS compliant*
 3292	200 cycles	25	0.5 Watts @ 85 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-65 °C to +150 °C	<ul style="list-style-type: none"> • 3/8" Square • Thin body profile (0.150") • Sealed to IP 67 • Flexible L "flying" terminal version available • Listed on the QPL for RJ24 per MIL-PRF-22097 (L pin style only) • RoHS compliant*
 3296	200 cycles	25	0.5 Watts @ 70 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +125 °C	<ul style="list-style-type: none"> • 3/8" Square • Sealed to IP 67 • Five terminal styles • Tape & reel and ammo pack packaging available (X & W pin styles only) • Panel mount option • Listed on the QPL for RJ24 per MIL-PRF-22097 • Listed on the QPL for RJR24 per High-Rel MIL-PRF-39035 • RoHS compliant*
 3299	200 cycles	25	0.5 Watts	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • 3/8" Square • Sealed to IP 67 • Five terminal styles • RoHS compliant*

Potentiometers

Part Number	Rotational Life	Number of Turns	Power Rating	Resistance Range	Resistance Tolerance	Temp. Coefficient	Temp. Range	Features
3314H 	100 cycles	1	0.25 Watts	10 Ohms to 1 Megohm	±20 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • 4 mm Square • Sealed to IP 67 • One terminal style • RoHS compliant*
3329 	200 cycles	1	0.5 Watts	10 Ohms to 1 Megohm	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • 1/4" Round • Sealed to IP 67 • Tape & reel and ammo pack packaging available (M & U pin styles only) • Listed on the QPL for RJ50 per MIL-PRF-22097 • Listed on the QPL for RJ50 per High-Rel MIL-PRF-39035 • RoHS compliant*
3339 	200 cycles	4	1.0 Watts	10 Ohms to 1 Megohm	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • 5/16" Round • Sealed to IP 67 • Multiturn in a single-turn package • RoHS compliant*
3362 	200 cycles	1	0.5 Watts	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • 1/4" Square • Sealed to IP 67 • Tape & reel and ammo pack packaging available (M, U & P pin styles only) • Available with a knob for manual adjustment • RoHS compliant*
3386 	200 cycles	1	1.0 Watts @ 85 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +150 °C	<ul style="list-style-type: none"> • 3/8" Square • Sealed to IP 67 • Tape & reel and ammo pack packaging available (W & U pin styles only) • Available with a knob for manual adjustment • RoHS compliant*
PV32 	200 cycles	1	0.5 Watts @ 70 °C	10 Ohms to 1 Megohm	±20 %	±100 ppm/°C	-55 °C to +125 °C	<ul style="list-style-type: none"> • 1/4" Round • Sealed to IP 67 • Available with plastic spacer • RoHS compliant*
PV36 	200 cycles	25	0.5 Watts @ 70 °C	10 Ohms to 2 Megohms	±10 %	±100 ppm/°C	-55 °C to +125 °C	<ul style="list-style-type: none"> • 3/8" Square • Sealed to IP 67 • Mounting hardware available • RoHS compliant*
PV37 	200 cycles	12	0.25 Watts @ 85 °C	10 Ohms to 1 Megohm	±10 %	±150 ppm/°C	-55 °C to +125 °C	<ul style="list-style-type: none"> • 1/4" Square • Sealed to IP 67 • Standoffs allow thorough PCB washing • RoHS compliant*
PV12 	200 cycles	4	0.5 Watts @ 70 °C	10 Ohms to 1 Megohm	±10 %	±100 ppm/°C	-55 °C to +125 °C	<ul style="list-style-type: none"> • Unique Planetary drive offers precise wiper setting • Sealed to IP 67 • Top and side adjust styles • RoHS compliant*

* RoHS Directive 2002/95/EC Jan 27 2003 including Annex and RoHS Recast 2011/65/EU June 8, 2011

Worldwide Sales Offices

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Americas:	+1-951-781-5500	+1-951-781-5006
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EMEA:	+36 88 520 390	+36 88 520 211
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Technical Assistance

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Americas:	+1-951-781-5500	+1-951-781-5700

www.bourns.com

Bourns® products are available through an extensive network of manufacturer's representatives, agents and distributors.

To obtain technical applications assistance, a quotation, or to place an order, contact a Bourns representative in your area.

Specifications are subject to change without notice. The device characteristics and parameters in this brochure 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.

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