

Bourns® Trimpot® Sealed SMD Cermet Trimming Potentiometers

Short Form Brochure



Introduction

The Bourns Trimpot product line offers the largest array of surface mount, sealed trimming potentiometers in the industry, along with 3 new SMD trimmer series from the Murata trimmer acquisition. The Trimpot product line takes full advantage of Bourns' core competencies in ceramics, thick-film printing, welding and brazing, resulting in reliable electronic components. Assembled in factories utilizing lean principles and state-of-the-art assembly equipment, our surface mount trimming potentiometers provide our customers with exceptional value.

Bourns is the only supplier to offer mil-drawing qualified surface mount sealed trimmers. These special models with limited military testing are readily available through any of our authorized distribution partners. These models can be ordered by using the military drawing numbers 88039 (3314J), 88040 (3269), 90027 (3314G) and 92021 (3224).

Trimpot® products are available in RoHS compliant* versions and are manufactured in facilities that are ISO 9001 certified.

The Bourns Trimpot product line offers various special options to suit your particular application. Available options include extended shafts, custom wiper settings, and tighter total resistance tolerances.

Bourns® Trimpot® products are aligned with world-renowned and regional distributors. Log on to our website, www.bourns.com for the most current Bourns authorized distributor listing to ensure a continual supply of genuine Bourns® products.

Model Number	Number of Turns		Size				Packaging Options	Adjustment
	Single	Multi	2 mm	3 mm	4 mm	6 mm	See Note 1	See Note 2
3214		x			x		R	T, S
3223		x		x			R	T, S
3224		x			x		R	T, S
3269		x				x	T, R	T, S
3312	x		x				R	T
3313	x			x			R	T, S
3314	x				x		T, R	T, S
3361	x					x	R	T, S
PV Series	x				x		T, R	T, S

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

Note 2: T = Top Adjust, S = Side Adjust, R = Rear Adjust

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

Applications by Market

Aerospace & Military

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

Communications

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

Industrial

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

Instrumentation

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

Medical

(Excluding Critical Life Support)

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

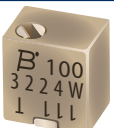
Professional Audio

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

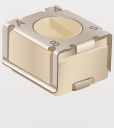
Bourns® Trimpot® Sealed SMD Cer

3214	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	200 cycles	5	0.25 watts	10 ohms to 2 megohms	±10 %	±100 ppm/°C	-65 °C to +150 °C	• 4 mm square • Available in top and side adjust options • Sealed to IP65 • Wave solderable version available • RoHS compliant*

3223	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	200 cycles	11	0.125 watts	10 ohms to 2 megohms	±20 %	±100 ppm/°C	-65 °C to +150 °C	• 3 mm square • Available in top and side adjust options • Sealed to IP65 • RoHS compliant*

3224	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	200 cycles	11	0.25 watts	10 ohms to 2 megohms	±10 %	±100 ppm/°C	-65 °C to +150 °C	• 4 mm square • Available in top and side adjust options • Sealed to IP65 • Wave solderable version available • RoHS compliant*

3269	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	200 cycles	12	0.25 watts	10 ohms to 1 megohm	±10 %	±100 ppm/°C	-65 °C to +150 °C	• 6 mm square • Available in top and side adjust options • Sealed to IP65 • RoHS compliant*

3312	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	25 cycles	1	0.1 watts	10 ohms to 1 megohm	±20 %	±100 ppm/°C	-55 °C to +125 °C	• 2 mm square • Sealed to IP65 • Available in low ohmic resistance values • RoHS compliant*

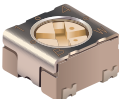
3313	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	100 cycles	1	0.125 watts	10 ohms to 1 megohm	±20 %	±100 ppm/°C	-55 °C to +125 °C	• 3 mm square • Available in top and side adjust options • Sealed to IP65 • Plastic housing for RF applications • RoHS compliant*

*RoHS directive 2002/95/EC Jan. 27, 2003 including Annex.

Hermet Trimming Potentiometers

3314	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	100 cycles	1	0.25 watts	10 ohms to 1 megohm	±20 %	±100 ppm/°C	-55 °C to +125 °C	• 4 mm square • Available in top and side adjust options • Sealed to IP65 • RoHS compliant*

3361	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	200 cycles	1	0.5 watts	10 ohms to 2 megohms	±10 %	±100 ppm/°C	-55 °C to +125 °C	• 6 mm square • Available in top and side adjust options • Sealed to IP65 • RoHS compliant*

PVG3	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	50 cycles	1	0.25 watts	10 ohms to 2 megohms	±20 %	±150 ppm/°C	-55 °C to +125 °C	• 3 mm square • Available in J-hook & gull-wing pin styles • Sealed to IP65 • RoHS compliant*

PVG5	Rotational Life	Number of Turns	Power Rating	Resistance Range	Tolerance	Temp. Coefficient	Temp. Range	Features
	200 cycles	1	0.25 watts	10 ohms to 2 megohms	±10 %	±100 ppm/°C	-65 °C to +150 °C	• 5 mm square • Available in top and side adjust options • Sealed to IP65 • RoHS compliant*

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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 subject to change without notice. Actual performance in specific customer applications may differ due to the influence of other variables. Customers should verify actual device performance in their specific applications.

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