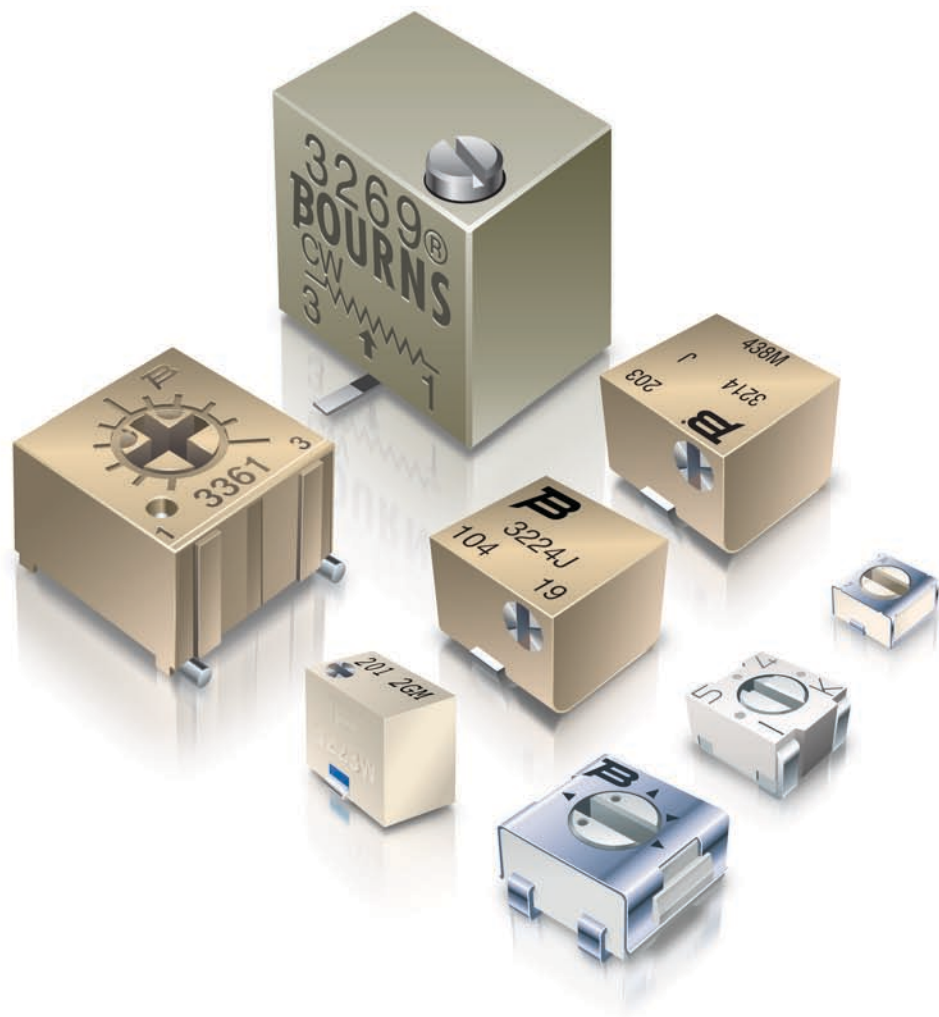


# Bourns® Trimpot®

## Sealed SMD Cermet Trimming Potentiometers

*Short Form Brochure*



**BOURNS®**

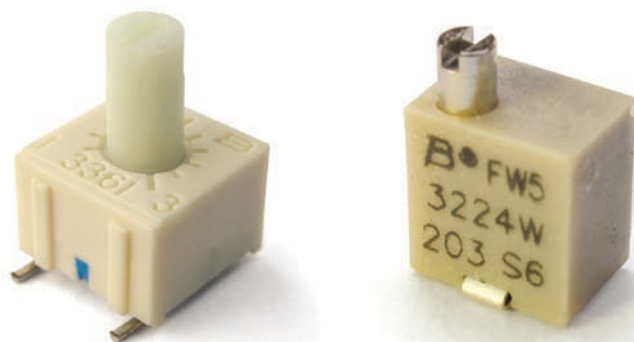
Bourns® Trimpot® product line offers the largest array of surface mount, sealed trimming potentiometers in the industry. The Trimpot® Product Line takes full advantage of Bourns' core competencies in ceramics, thick-film printing, welding and brazing, resulting in reliable electronic components. Assembled 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 in the electronics industry 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, customer 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](http://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

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

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



Rotational Life	200 cycles
Number of Turns	5
Power Rating	0.25 watts
Resistance Range	10 ohm to 2 megohm
Tolerance	±10 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-65 °C to +150 °C

3214

**Features**

- 4 mm square
- Available in top and side adjust options
- Sealed to IP65
- RoHS compliant\*
- Wave solderable version available



Rotational Life	200 cycles
Number of Turns	11
Power Rating	0.125 watts
Resistance Range	10 ohm to 2 megohm
Tolerance	±20 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-65°C to +125 °C

3223

**Features**

- 3 mm square
- Available in top and side adjust options
- Sealed to IP65
- RoHS compliant\*



Rotational Life	200 cycles
Number of Turns	11
Power Rating	0.25 watts
Resistance Range	10 ohm to 2 megohm
Tolerance	±10 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-65 °C to +150 °C

3224

**Features**

- 4 mm square
- Available in top and side adjust options
- Sealed to IP65
- RoHS compliant\*
- Wave solderable version available

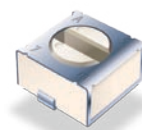


Rotational Life	200 cycles
Number of Turns	12
Power Rating	0.25 watts
Resistance Range	10 ohm to 1 megohm
Tolerance	±10 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-65 °C to +150 °C

3269

**Features**

- 6 mm square
- Available in top and side adjust options
- Sealed to IP65
- RoHS compliant available\*



Rotational Life	25 cycles
Number of Turns	1
Power Rating	0.1 watts
Resistance Range	10 ohm to 1 megohm
Tolerance	±20 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-55 °C to +125 °C

3312

**Features**

- 2 mm square
- Sealed to IP65
- RoHS compliant\*
- Available in low ohmic resistance values



Rotational Life	100 cycles
Number of Turns	1
Power Rating	0.125 watts
Resistance Range	10 ohm to 2 megohm
Tolerance	±20 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-55 °C to +125 °C

3313

**Features**

- 3 mm square
- Available in top and side adjust options
- Sealed to IP65
- RoHS compliant\*
- Plastic housing for RF applications

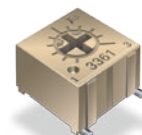


Rotational Life	100 cycles
Number of Turns	1
Power Rating	0.25 watts
Resistance Range	10 ohm to 1 megohm
Tolerance	±20 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-55 °C to +125 °C

3314

**Features**

- 4 mm square
- Available in top and side adjust options
- Sealed to IP65
- RoHS compliant\*



Rotational Life	200 cycles
Number of Turns	1
Power Rating	0.5 watts
Resistance Range	10 ohm to 2 megohm
Tolerance	±10 %
Temp. Coefficient	±100 ppm/°C
Temp. Range	-55 °C to +125 °C

3361

**Features**

- 6 mm square
- Available in top and side adjust options
- Sealed to IP65
- RoHS compliant versions available\*

## Applications by market:

### Telecom & Communications

- Power Supplies
- Base Stations
- Satellite Systems
- Portable/Hand-Held 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
- RF ID Systems
- Proximity Sensors
- Bar Code Scanners

### Instrumentation

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

### Aerospace & Military

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

### Professional Audio

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

### Medical\*

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

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

\*Excluding Critical Life Support

## Worldwide Sales Offices

Country	Phone	Fax
Benelux:	+41 (0)41 768 5555	+41 (0)41 768 5510
Brazil:	+55 11 5505 0601	+55 11 5505 4370
China:	+86 21 64821250	+86 21 64821249
France:	+33 (0)2 5473 5151	+33 (0)2 5473 5156
Ireland/UK:	+41 (0)41 768 5555	+41 (0)41 768 5510
Italy:	+41 (0)41 768 5555	+41 (0)41 768 5510
Japan:	+81 49 269 3204	+81 49 269 3297
Malaysia (KL Office):	+60 3 71183138	+60 3 71183139
Malaysia (Penang Office):	+60 4 6581771	+60 4 6582771
Singapore:	+65 6348 7227	+65 6348 1272
Switzerland:	+41 (0)41 768 5555	+41 (0)41 768 5510
Taiwan:	+886 2 25624117	+886 2 25624116
UK/Ireland:	+41 (0)41 768 5555	+44 (0)41 768 5510
USA:	+1-951-781-5500	+1-951-781-5006

### Non-Listed European Countries:

+41 (0)41 768 5555      +41 (0)41 768 5510

### Technical Assistance

Region	Phone	Fax
Asia-Pacific:	+886 2 25624117	+886 2 25624116
Europe:	+41 (0)41 768 5555	+41 (0)41 768 5510
Americas:	+1-951-781-5500	+1-951-781-5700

[www.bourns.com](http://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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