

Bourns® Consumer Trimming Potentiometers

Short Form Brochure



Applications

- Air conditioners
- Breadmakers
- Coffee/tea makers
- Dental hygiene devices
- Dishwashers
- Door chimes, electronic
- Door opening systems
- Food processors
- Freezers
- Kitchen appliances
- Microwave ovens
- Kitchens
- Refrigerators
- Stoves/ovens
- Controls for white goods
- Environmental controls/equipment
- Electronic insect repellants
- Intercom systems
- Smoke detectors
- Thermostatic controls
- Trash compactors
- Ultrasonic devices
- Amateur and CB radios
- Cordless telephones
- Telephone amplifiers
- Telephone answering machines
- Telephone dialers, automatic
- Telephone sets, digital
- Telephones
- Fax machines
- Camcorders
- Electronics for cameras
- Digital cameras
- Cassette players for autos
- Car stereos
- Auto repair instruments
- Cassette recorders
- Compact disc players
- Hi-fi amplifiers
- Hi-fi cassette decks
- Stereo systems
- Tape recorders
- Turntables
- Receivers
- Radios
- Radio cassette recorders
- Portable stereos
- Music centers
- Music mixing equipment
- Organs and musical instruments
- Clock radios
- Clocks
- Digital table clocks
- Educational toys
- Electronic games
- Game units
- Video game systems
- Toys & kits, electronics
- Radio controls for models
- Metal detectors
- Power tools
- LCD modules
- Sensors
- Optical transceivers
- Televisions
- Digital TVs
- TV receivers
- VCRs
- HDTVs
- Cable set-top boxes
- Satellite TV receivers
- DVD players
- DVD recorders
- Printers
- Photo printers
- Laptops
- Computers
- Computer monitors
- Computer power supplies
- Home networks
- Personal computers
- Handhelds
- PDAs
- Portable CD players

Bourns® Consumer Trimpots®

Bourns® Trimpot® Product Line is pleased to present our latest Consumer Trimming Potentiometer Short Form Brochure. Traditionally a manufacturer of high-end and military grade trimming potentiometers, Bourns continues to expand our consumer trimmer product offering to meet the demands of the growing consumer electronics market.

Bourns offers consumer trimmers in open-frame surface mount and through-hole mounting styles.

A number of models have been added. Please see the Selection Guide below for a listing of the most important features and benefits of each open-frame trimming potentiometer.

How to Order

3302 W - 1 - 502 E	
Trimpot® Designator _____	
3302 = 2 mm SMD Cermet	
3303 = 3 mm SMD Cermet	
3306 = 6 mm Through-Hole Cermet	
3309 = 9 mm Through-Hole Cermet	
3318 = 6 mm Through-Hole Carbon	
3319 = 9 mm Through-Hole Carbon	
3352 = 9 mm Through-Hole Cermet	
3364 = 4 mm SMD Cermet	
TC03 = 3 mm SMD Cermet	
TC33 = 3 mm SMD Cermet	
TC73 = 3 mm SMD Carbon	
Style <i>Note: View model datasheet for specific pin styles</i> _____	
Standard Product Indicator _____	
1 = Standard	
Resistance Code _____	
Embossed Tape Designator _____	
<i>Note: Not available on models 3306, 3309, 3318, 3319, & 3352</i>	



Bourns® Consumer Trimpots®

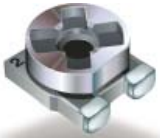


3302

Rotational Life	10 cycles
Number of Turns	1
Power Rating	0.15 watts
Mounting Type	surface mount
Resistance Range	0.2 K to 1 megohm
Tolerance	±25 %
CRV	5 % max.
Temp. Coefficient	±250 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Continuous rotation
- Recommended for reflow soldering
- Rotor design compatible with automatic assembly equipment
- 2 mm size meets EIA/EIAJ standard trimmer footprint



3303

Rotational Life	20 cycles
Number of Turns	1
Power Rating	0.15 watts
Mounting Type	surface mount
Resistance Range	0.1 K to 1 megohm
Tolerance	±25 %
CRV	5 % max.
Temp. Coefficient	±250 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Continuous rotation
- Recommended for reflow soldering
- Rotor design compatible with automatic assembly equipment
- Rear adjust version available
- 3 mm size meets EIA/EIAJ standard trimmer footprint



3306

Rotational Life	50 cycles
Number of Turns	1
Power Rating	0.2 watts
Mounting Type	through-hole
Resistance Range	0.1 K to 2 megohms
Tolerance	±25 %
CRV	3 % max.
Temp. Coefficient	±250 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Horizontal and vertical adjust styles
- Dust resistant covers
- PC board stand-offs and retention features



3309

Rotational Life	50 cycles
Number of Turns	1
Power Rating	0.5 watts
Mounting Type	through-hole
Resistance Range	100 ohms to 2 megohms
Tolerance	±25 %
CRV	3 % max.
Temp. Coefficient	±250 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Horizontal and vertical adjust styles
- Dust resistant covers
- PC board stand-offs and retention features
- Both sides adjust



3318

Rotational Life	100 cycles
Number of Turns	1
Power Rating	0.1 watts
Mounting Type	through-hole
Resistance Range	0.1 K to 1 megohm
Tolerance	±20 %
CRV	10 % max.
Temp. Coefficient	±1000 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Carbon resistance element
- Horizontal and vertical adjust styles
- Dust resistant covers
- PC board stand-offs and retention features
- Both sides adjust



3319

Rotational Life	50 cycles
Number of Turns	1
Power Rating	.2 watts
Mounting Type	through-hole
Resistance Range	0.1 K to 1 megohm
Tolerance	±25 %
CRV	3 % max.
Temp. Coefficient	±1000 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Carbon resistance element
- Horizontal and vertical adjust styles
- Dust resistant covers
- PC board stand-offs and retention features
- Both sides adjust



3352

Rotational Life	200 cycles
Number of Turns	1
Power Rating	0.5 watts
Mounting Type	through-hole
Resistance Range	10 ohms to 2 megohms
Tolerance	±20 %
CRV	1 % or 1 ohm (whichever is greater)
Temp. Coefficient	±100 ppm/°C @ 2K & up ±150 ppm/°C below 2K
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Continuous rotation
- Finger adjust
- Dust resistant covers
- Multiple pin styles available



3364

Rotational Life	20 cycles
Number of Turns	1
Power Rating	0.2 watts
Mounting Type	surface mount
Resistance Range	0.1 K to 1 megohm
Tolerance	±20 %
CRV	5 %
Temp. Coefficient	10-200 ohms ±250 ppm/°C less than or equal to 500 ohms ±200 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Carbon resistance element
- Continuous rotation
- Recommended for reflow soldering
- Rotor design compatible with automatic assembly equipment
- 4 mm size meets EIA/EIAJ standard trimmer footprint



TC03

Rotational Life	20 cycles
Number of Turns	1
Power Rating	0.1 watts
Mounting Type	surface mount
Resistance Range	100 ohms to 1 megohm
Tolerance	±25 %
CRV	5 % max.
Temp. Coefficient	±250 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Continuous rotation
- Recommended for reflow soldering
- Rotor design compatible with automatic assembly equipment
- High temperature plastic rotor
- 3 mm size meets EIA/EIAJ standard trimmer footprint



TC33

Rotational Life	20 cycles
Number of Turns	1
Power Rating	0.1 watts
Mounting Type	surface mount
Resistance Range	100 ohms to 1 megohm
Tolerance	±25 %
CRV	5 % max.
Temp. Coefficient	±250 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Rotational stop
- Bottom adjust only option
- Recommended for reflow soldering
- Rotor design compatible with automatic assembly equipment
- 3 mm size meets EIA/EIAJ standard trimmer footprint



TC73

Rotational Life	20 cycles
Number of Turns	1
Power Rating	0.5 watts
Mounting Type	surface mount
Resistance Range	500 ohms to 1 megohm
Tolerance	±30 %
CRV	5 % max.
Temp. Coefficient	±250 ppm/°C
Frame	open frame

Features

- Single-turn
- Cross slot rotor
- Carbon resistance element
- Continuous rotational or rotational stop available
- Recommended for reflow soldering
- Rotor design compatible with automatic assembly equipment
- 3 mm size meets EIA/EIAJ standard trimmer footprint



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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.



Reliable Electronic Solutions

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