

Features

- Multiturn / Cermet / Industrial / Sealed
- Low temperature coefficient: ±100 ppm/°C
- Stable, infinite resolution cermet element
- CRV 1.0 % or 1 ohm
- Panel mount option available
- RoHS compliant* version available

■ For trimmer applications/processing guidelines, click here

3009 - 3/4 " Rectangular Trimpot® Trimming Potentiometer

Electrical Characteristics Standard Resistance Range10 to 2 megohms (see standard resistance table) Resistance Tolerance ±10 % std. (tighter tolerance available) Absolute Minimum Resistance1.0 % or 2 ohms max. (whichever is greater) Contact Resistance Variation1.0 % or 1 ohm max. (whichever is greater) Adjustability Resistance ±0.05 % Resolution.....Infinite Insulation Resistance500 vdc 100 megohms min. Dielectric Strength Sea Level1,000 vac 80,000 Feet250 vac Adjustment Anale 15 turns nom

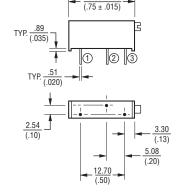
Adjustment Angle 15 turns nom.
Environmental Characteristics
Power Rating (400 volts max.)
70 °C0.75 watt
150 °C0 watt
Temperature Range55 °C to +125 °C
Temperature Coefficient
±100 ppm/°C
Seal Test85 °C Fluorinert†
HumidityMIL-STD-202 Method 103
96 hours
(3 % ΔTR, 20 megohms IR)
Vibration 20 G (2 % ΔTR; 2 % ΔVR)
Shock 50 G (2 % ΔTR; 2 % ΔVR)
Load Life
1,000 hours, 0.75 watt @ 70 °C
(4 % ΔTR)
Rotational Life200 cycles
(3 % ΔTR; 1 % or 1 ohm,
whichever is greater, CRV)

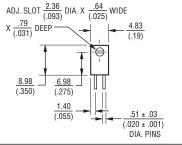
Physical Characteristics

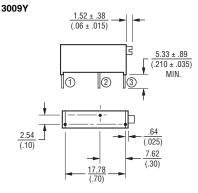
Physical Ch	aracteristics
Torque	5.0 oz-in. max
	ops Wiper idles
Terminals	Solderable pins
Weight	0.05 oz
Marking	Manufacturer's
tr	ademark, resistance code
ter	minal numbers, date code
ma	nufacturer's model numbei
	and style

Standard Packaging 25 pcs. per tube

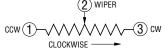
Product Dimensions 3009P 19.05 ± .38







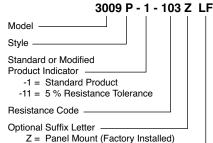
DIMENS	SIONS:	MM (INCHES)
TOLERANCES: —	0.25 (.010)	EXCEPT WHERE NOTED
	(2) WIPER



Standard Resistance Table

Resistance	Resistance
(Ohms)	Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25.000	253
50,000	503
100,000	104
200,000	204
250,000	254
500.000	504
1,000,000	105
2,000,000	205

How To Order



Terminations

LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated
(Standard)

Consult factory for other available options.

REV. 04/14

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

[&]quot;Trimpot" is a registered trademark of Bourns, Inc.

^{†&}quot;Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

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3009P-1-105Z 3009P-1-103Z 3009Y-1-253 3009Y-1-202 3009Y-1-204 3009Y-1-205 3009Y-1-205 3009Y-1-201 3009Y-1-203 3009P-1-502 3009P-1-501 3009P-1-500 3009P-1-503 3009P-1-504 3009Y-1-501 3009Y-1-502 3009Y-1-503 3009Y-1-501 3009Y-1-101 3009Y-1-105 3009Y-1-102 3009Y-1-103 3009Y-1-102 3009Y-1-103 3009Y-1-102 3009P-1-104 3009P-1-105 3009P-1-102 3009P-1-104 3009P-1-105 3009P-1-100 3009P-1-103 3009P-1-101 3009P-1-203Z 3009P-1-303 3009P-1-753 3009P-1-101LF 3009P-1-102LF 3009P-1-103LF 3009P-1-104LF 3009P-1-105LF 3009P-1-201LF 3009P-1-203LF 3009P-1-203LF 3009P-1-204LF 3009P-1-204LF 3009P-1-204LF 3009P-1-103LF 3009P-1-501LF 3009P-1-503LF 3009P-1-503LF 3009P-1-503LF 3009P-1-203Z 3009P-1-103LF 3009P-1-104LF 3009Y-1-203LF 3009P-1-503LF 3009P-1-503LF 3009P-1-203Z 3009P-1-103LF 3009P-1-103LF 3009P-1-103LF 3009P-1-203LF 3009P-1-503LF 3009P-1-203Z 3009P-1-100LF 3009P-1-100LF 3009P-1-103ZLF 3009P-1-105ZLF 3009P-1-503LF 3009P-1-203LF 3009P-1-203ZLF 3009P-1-203LF 3009P-1-203LF 3009P-1-203ZLF 3009P-1-203LF 3009P-1-203LF 3009P-1-203LF 3009P-1-203LF 3009P-1-203ZLF 3009P-1-203LF 3009P-1-203LF
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