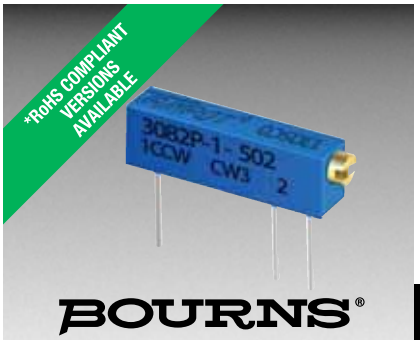


Features

- Multiturn / Cermet / Industrial / Sealed
- Space saver: 0.100 ˝ x 0.150 ˝ x 0.500 ˝
- ±100 ppm/°C temperature coefficient over entire temperature and resistance ranges
- Available with or without standoffs
- For trimmer applications/processing guidelines, click here

3082 - 1/2 ˝ Rectangular Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
.....10 to 2 megohms
(see standard resistance table)
Resistance Tolerance ..... ±10 % std.
Absolute Minimum Resistance
..... 1.0 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation
..... 3.0 % or 3 ohms max.
(whichever is greater)
Continuity
..... Maintained for full mechanical range
Adjustability
Voltage .....±0.05 %
Resistance .....±0.10 %
Insulation Resistance ..... 500 VDC
1000 megohms min.
Adjustment Angle.....10 turns nom.

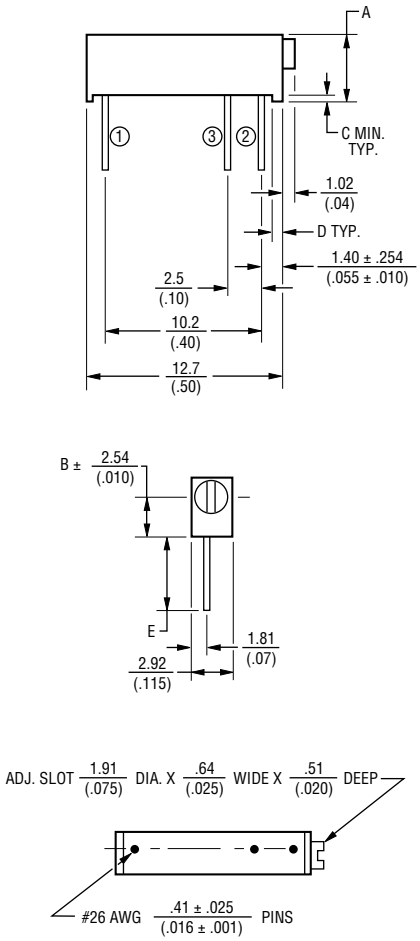
Environmental Characteristics

Power Rating (400 volts max.)
85 °C.....0.3 watt
Temperature Range..... -65 °C to +150 °C
Temperature Coefficient .....±100 PPM/°C
Humidity .....MIL-STD-202 Method 106
100 megohms min. insulation
resistance after removal from chamber
Vibration..... 30 G (exceeds MIL-R-22097)
Contact Bounce .....0.1 millisecond max.
Wiper Shift, Max.....1.0 % voltage ratio
Shock ..... 100 G (exceeds MIL-R-22097)
Contact Bounce .....0.1 millisecond max.
Wiper Shift, Max.....1.0 % voltage ratio
Load Life ....1,000 hours, 0.3 watt @ 25 °C
Resistance Shift, Max. .....±2.0 %
Mechanical Life.....200 cycles
without discontinuity
Dielectric Strength MIL-R-22097
Room Conditions .....900 volts AC
80,000 feet .....400 volts AC

Physical Characteristics

Immersion Leak Test ..... No leaks
Torque ..... 2.0 oz-in. max.
Mechanical Adjustments .....12 turns nom.
Mechanical Stops ..... Wiper idles
Wiper.....50 % (Actual TR) ±10 %
Terminals..... Solderable pins
Weight ..... 0.009 oz.
Marking .....Manufacturer's
trademark, resistance code,
terminal numbers, date code and
manufacturer's model number
Standard Packaging ..... 25 pcs. per tube

Product Dimensions



Dimension	3082P-1 (Without Standoffs)	3082P-45 (With Standoffs)
A	3.8 (.15)	4.3 (.17)
B	2.74 (.108)	3.3 (.130)
C	None	.381 (.015)
D	None	.51 (.020)
E	5.8 ± 0.5 (0.23 ± 0.02)	5.3 ± 0.5 (0.21 ± 0.02)

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

Standard Resistance Table

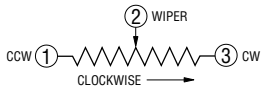
Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
750,000	754
1,000,000	105
2,000,000	205

How To Order

3082 P - 1 - 103 LF

Model
Style
Standard or Modified Product Indicator
-1 = Standard Product
-45 = With Standoffs
Resistance Code
Terminations
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.



DIMENSIONS: MM (INCHES)

TOLERANCES: .XX ±0.25 (±.010) .XXX ±.127 (±.005) EXCEPT WHERE NOTED

REV. 06/24

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex
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WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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