

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

Adjustment Angle......10 turns nom.

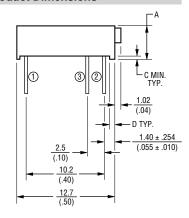
Environmental Characteristics

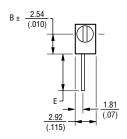
Power Rating (400 volts max.) Temperature Range...... -65 °C to +150 °C Temperature Coefficient ±100 PPM/°C HumidityMIL-STD-202 Method 106 100 megohms min. insulation resistance after removal from chamber Vibration..... 30 G (exceeds MIL-R-22097) Contact Bounce 0.1 millisecond max. Wiper Shift, Max...... 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 StrengthMIL-R-22097 Room Conditions900 volts AC 80,000 feet400 volts AC

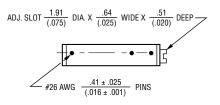
Physical Characteristics

Physical Characteristics
Immersion Leak Test No leaks
Torque
Mechanical Adjustments 12 turns nom.
Mechanical Stops Wiper idles
Wiper50 % (Actual TR) ±10 %
TerminalsSolderable pins
Weight 0.009 oz.
MarkingManufacturer's
trademark, resistance code,
terminal numbers, date code and
manufacturer's model number
Standard Packaging25 pcs. per tube

Product Dimensions







Dimension	3082P-1 (Without Standoffs)	3082P-45 (With Standoffs)
А	3.8 (.15)	4.3 (.17)
В	<u>2.74</u> (.108)	3.3 (.130)
С	None	<u>.381</u> (.015)
D	None	<u>.51</u> (.020)
E	$\frac{5.8 \pm 0.5}{(0.23 \pm 0.02)}$	$\frac{5.3 \pm 0.5}{(0.21 \pm 0.02)}$

Additional Information

Click these links for more information:











PRODUCT SELECTOR

TECHNICAL INVI

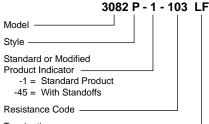
SAMPLES

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

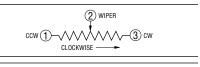
How To Order



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 $\frac{\pm 0.25}{\pm (.010)}$.XXX $\frac{\pm .127}{\pm (.005)}$ EXCEPT WHERE NOTES



- *RoHS Directive 2015/863, Mar. 31, 2015 and Annex
- "Trimpot" is a trademark of Bourns, Inc.

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