

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, <u>click here</u>

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 Angle10 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 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

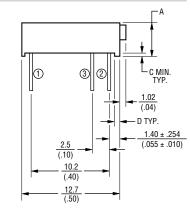
Physical Characteristics

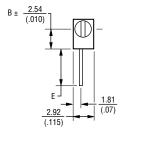
Immersion Leak Test No leaks
Torque 2.0 oz-in. max.
Mechanical Adjustments 12 turns nom.
Mechanical Stops Wiper idles
Wiper50 % (Actual TR) ±10 %
TerminalsSolderable pins
Weight 0.009 oz.
Marking Manufacturer's
trademark, resistance code,
terminal numbers, date code and
manufacturer's model number
Standard Packaging 25 pcs. per tube

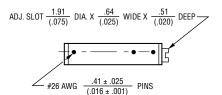


WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

Product Dimensions







Dimension	3082P-1 (Without Standoffs)	3082P-45 (With Standoffs)
А	<u>3.8</u> (.15)	<u>4.3</u> (.17)
В	<u>2.74</u> (.108)	<u>3.3</u> (.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

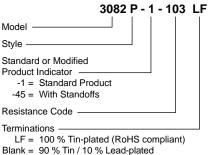
Click these links for more information:



Standard Resistance Table

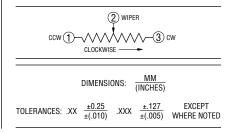
Resistance	Resistance
(Ohms)	Code
10 20 50 100 200 500 1,000 2,000 5,000 10,000 20,000 500,000 500,000 750,000 1,000,000 2,000,000	100 200 500 101 201 501 102 202 502 502 103 203 503 104 204 504 754 105 205

How To Order



(Standard)

Consult factory for other available options.



REV. 06/24

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