

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.

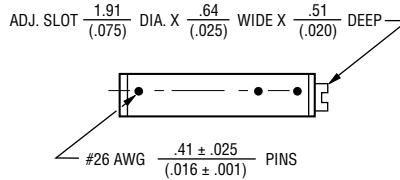
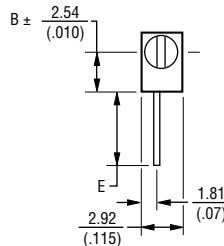
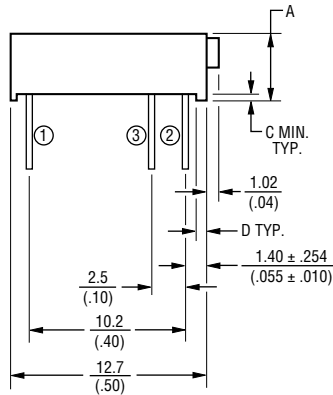
Environmental Characteristics

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	$\frac{3.8}{(.15)}$	$\frac{4.3}{(.17)}$
B	$\frac{2.74}{(.108)}$	$\frac{3.3}{(.130)}$
C	None	$\frac{.381}{(.015)}$
D	None	$\frac{.51}{(.020)}$
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 (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 _____

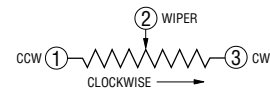
-1 = Standard Product
-45 = With Standoffs

Resistance Code _____

Terminations _____

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

Consult factory for other available options.



DIMENSIONS: $\frac{MM}{(INCHES)}$

TOLERANCES: XX $\frac{\pm 0.25}{\pm (.010)}$ XXX $\frac{\pm .127}{\pm (.005)}$ 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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