

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 Resistance1.0 % or 2 ohms max. (whichever is greater) Contact Resistance Variation3.0 % or 3 ohms max. (whichever is greater) Continuity Maintained for full mechanical range Adjustability Voltage ±0.05 % Resistance ±0.10 % Insulation Resistance500 vdc 1000 megohms min.

Environmental Characteristics

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

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)

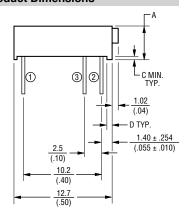
Contact Bounce 0.1 millisecond max. Wiper Shift, Max...... 1.0 % voltage ratio Shock100 G (exceeds MIL-R-22097) Contact Bounce 0.1 millisecond max. Wiper Shift, Max...... 1.0 % voltage ratio Load Life ... 1,000 hours, 0.3 watt @ 25 °C Resistance Shift, Max.....±2.0 % Mechanical Life......200 cycles without discontinuity Dielectric Strength MIL-R-22097

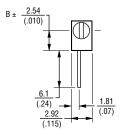
Room Conditions900 volts AC

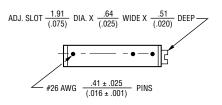
Physical Chara	cteristics
Immersion Leak T	est No leaks
Torque	2.0 oz-in. max.
Mechanical Adjust	tments 12 turns nom.
Mechanical Stops	Wiper idles
Wiper	50 % (Actual TR) ±10 %
Terminals	Solderable pins
Weight	0.009 oz.
Marking	Manufacturer's
	emark, resistance code,
	umbers, date code and
manufa	acturer's model number

Standard Packaging 25 pcs. per tube

Product Dimensions





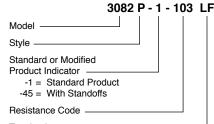


Dimension	3082P-1 (Without Standoffs)	3082P-45 (With Standoffs)
А	3.8 (.15)	4.3 (.17)
В	2.74 (.108)	3.3 (.130)
С	None	<u>.381</u> (.015)
D	None	<u>.51</u> (.020)

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	504 754
750,000 1,000,000	754 105
2,000,000	205
2,000,000	205

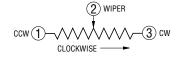
How To Order



Terminations

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

Consult factory for other available options.



DIMENSIONS: $\frac{MM}{(INCHES)}$	
TOLERANCES: .XX $\frac{\pm .25}{\pm .010}$.XXX	±.127 ±.005
EXCEPT WHERE NOTED	

REV. 08/19

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^{*}RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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