

## **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

## **Environmental Characteristics**

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

1000 megohms min.

Power Rating (400 volts max.)

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

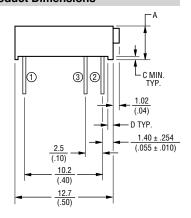
	without discontinuity
Dielectric Strength	MIL-R-22097
Room Conditions	900 volts AC
80,000 feet	400 volts AC

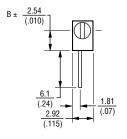
#### **Physical Characteristics**

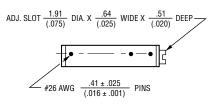
Immersion Le	eak Test	No leaks
Torque		2.0 oz-in. max.
Mechanical A	djustments	. 12 turns nom.
Mechanical S	Stops	Wiper idles
Wiper	50 % (Act	tual TR) ±10 %
Terminals	8	Solderable pins
Weight		0.009 oz.
Marking		Manufacturer's
	trademark, res	sistance code,
termi	nal numbers,	date code and

trademark, resistance code, terminal numbers, date code and manufacturer's model number Standard Packaging...... 25 pcs. per tube

#### **Product Dimensions**





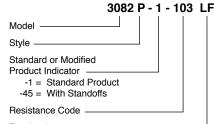


Dimension	3082P-1 (Without Standoffs)	3082P-45 (With Standoffs)
А	3.8 (.15)	4.3 (.17)
В	2.74 (.108)	3.3 (.130)
С	None	<u>.381</u> (.015)
D	None	<u>.51</u> (.020)

#### **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
750,000	754
1,000,000	105
2,000,000	205
1	1

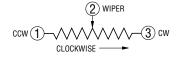
#### **How To Order**



Terminations

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

Consult factory for other available options.



DIMENSIONS: $\frac{MM}{(INCHES)}$	
	±.127 ±.005
EXCEPT WHERE NOTED	

#### REV. 08/19

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<sup>\*</sup>RoHS Directive 2015/863, Mar. 31, 2015 and Annex

<sup>&</sup>quot;Trimpot" is a trademark of Bourns, Inc.

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