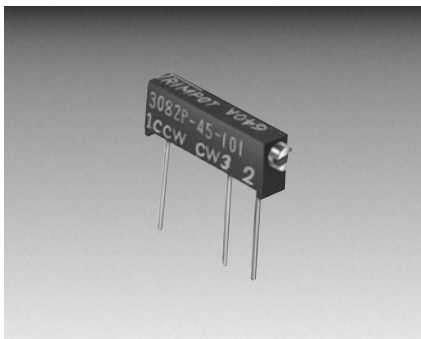




Features

- Multiturn / Cermet / Industrial / Sealed
- Space saver: 0.100 " x 0.150 " x 0.500 "
- ± 100 ppm/ $^{\circ}\text{C}$ temperature coefficient over entire temperature and resistance ranges
- Available with or without standoffs



Model 3082 is currently available, although not recommended for new designs.

3082 - 1/2 " Rectangular Trimming Potentiomet

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 Resistance500 vdc
1000 megohms min.

Adjustment Angle10 turns nom.

Environmental Characteristics

Power Rating (400 volts max.)

25 $^{\circ}\text{C}$ 0.3 watt

Temperature Range-65 $^{\circ}\text{C}$ to +150 $^{\circ}\text{C}$

Temperature Coefficient

..... ± 100 ppm/ $^{\circ}\text{C}$

HumidityMIL-STD-202 Method 106

100 megohms min. insulation

resistance after removal from chamber

Vibration30 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 $^{\circ}\text{C}$

Resistance Shift, Max. ± 2.0 %

Mechanical Life200 cycles

without discontinuity

Dielectric StrengthMIL-R-22097

Room Conditions900 volts AC

80,000 feet400 volts AC

Physical Characteristics

Immersion Leak TestNo leaks

Torque2.0 oz-in. max.

Mechanical Adjustments ..12 turns nom.

Mechanical StopsWiper idles

TerminalsSolderable pins

Weight0.009 oz.

MarkingManufacturer's

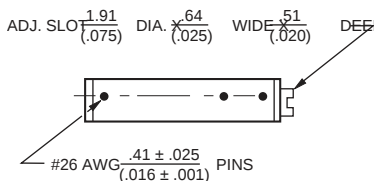
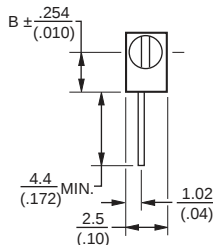
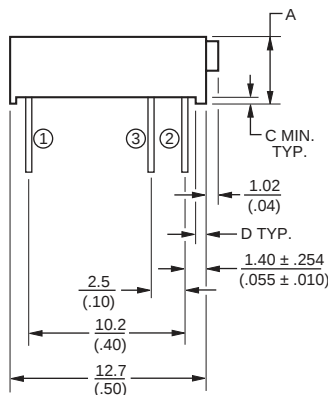
trademark, resistance code,

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)
A	3.8 (.15)	4.3 (.17)
B	2.7 (.108)	3.3 (.130)
C	None	.381 (.015)
D	None	.51 (.020)

TOLERANCES: .XX $\pm .25$.XXX $\pm .127$
($\pm .010$) ($\pm .005$)

EXCEPT WHERE NOTED

DIMENSIONS: MM
(INCHES)

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 = Without Standoffs
-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.

