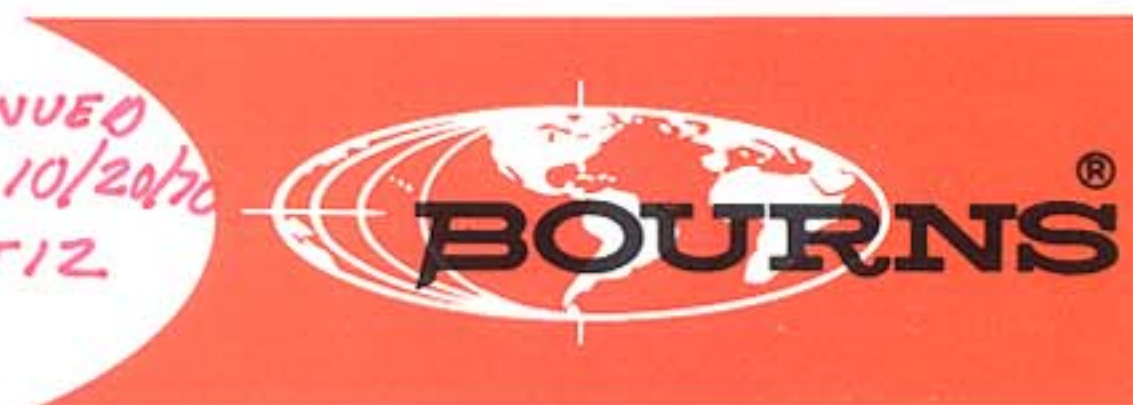


FEATURES

- Sealed against humidity, liquids and potting compounds. Meets or exceeds requirements of MIL-R-27208 (RT11)
- High power dissipation (1.0 watt at 70°C).
- High temperature all plastic case for operation to 175°C.
- SILVERWELD® termination alloys with multiple resistance wires eliminating vulnerable single wire termination.
- Stable wiper setting under extreme environmental conditions due to self-locking adjustment screw.

TRIMPOT® ADJUSTMENT POTENTIOMETER



MODEL 3010

INDUSTRIAL WIREWOUND POTENTIOMETER
1¼" LONG

OBSOLETE

STANDARD RESISTANCES

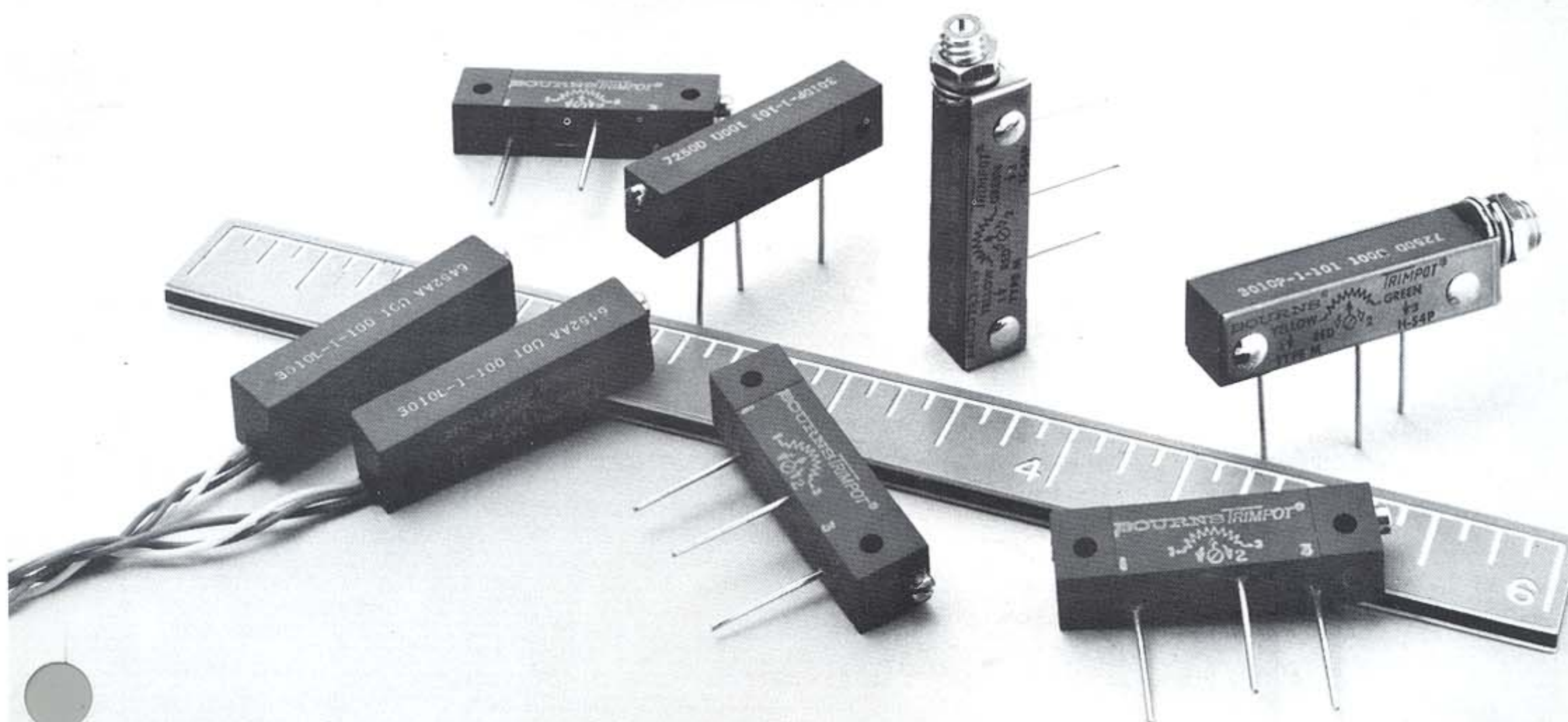
Resistance (ohms)	Part Numbers*		Nominal Resolution (percent)
	3010L Stranded Insulated Leads	3010P Printed Circuit Pins	
10	3010L-1-100	3010P-1-100	1.84
20	3010L-1-200	3010P-1-200	1.48
50	3010L-1-500	3010P-1-500	1.10
100	3010L-1-101	3010P-1-101	1.09
200	3010L-1-201	3010P-1-201	0.90
500	3010L-1-501	3010P-1-501	0.60
1,000	3010L-1-102	3010P-1-102	0.50

SPECIAL RESISTANCES AVAILABLE FROM 10Ω TO 100K

*The last three digits of the part number represent the resistance in standard code.

Resistance (ohms)	Part Numbers*		Nominal Resolution (percent)
	3010L Stranded Insulated Leads	3010P Printed Circuit Pins	
2,000	3010L-1-202	3010P-1-202	0.40
5,000	3010L-1-502	3010P-1-502	0.30
10,000	3010L-1-103	3010P-1-103	0.29
20,000	3010L-1-203	3010P-1-203	0.28
25,000	3010L-1-253	3010P-1-253	0.26
50,000	3010L-1-503	3010P-1-503	0.22
100,000	3010L-2-104	3010P-2-104	0.18

① When ordering Panel Mount Model, add "M" to part number. Example: 3010L-1-103M. See Panel Mount Bulletin for additional details.



ELECTRICAL CHARACTERISTICS

Standard Resistance Range (See chart on front)	10 to 100K ohms
Resistance Tolerance	±5% Standard, closer tolerances available
Absolute Minimum Resistance	
10Ω to 1 K	0.2% or 1.0%, whichever is greater
2K to 50K	0.1%
100K	5.0%
Continuity	Maintained for full mechanical range
Noise During Adjustment	100Ω ENR maximum
Insulation Resistance, 500 VDC	1000 Megohms minimum
Resolution (See chart on front)	0.18 to 1.84%

ENVIRONMENTAL CHARACTERISTICS

Power Ratings:	
70°C Ambient	1.0 watt
125°C Ambient	0.5 watt
175°C Ambient	0 watt
Operating Temperature Range	-65° to +175°C
Temperature Coefficient (per MIL-R-27208)	50 PPM/°C maximum
Moisture Resistance:	
MIL-R-27208	100 Megohms minimum insulation resistance after removal from chamber
Vibration	MIL-R-27208, 30G
Contact Bounce	0.1 Millisecond maximum
Wiper Shift, Maximum	0.5% or resolution
Shock	MIL-R-27208, 100G
Contact Bounce and Wiper Shift	Same as vibration
Salt Spray	Meets MIL-R-27208
Load Life	1000 hours per MIL-R-27208
Resistance Shift, Maximum	2%
Mechanical Life	200 cycles without discontinuity
Dielectric Strength	MIL-R-27208
Room Conditions	1500 VAC
80,000 Feet (0.8" Hg)	500 VAC

PHYSICAL CHARACTERISTICS

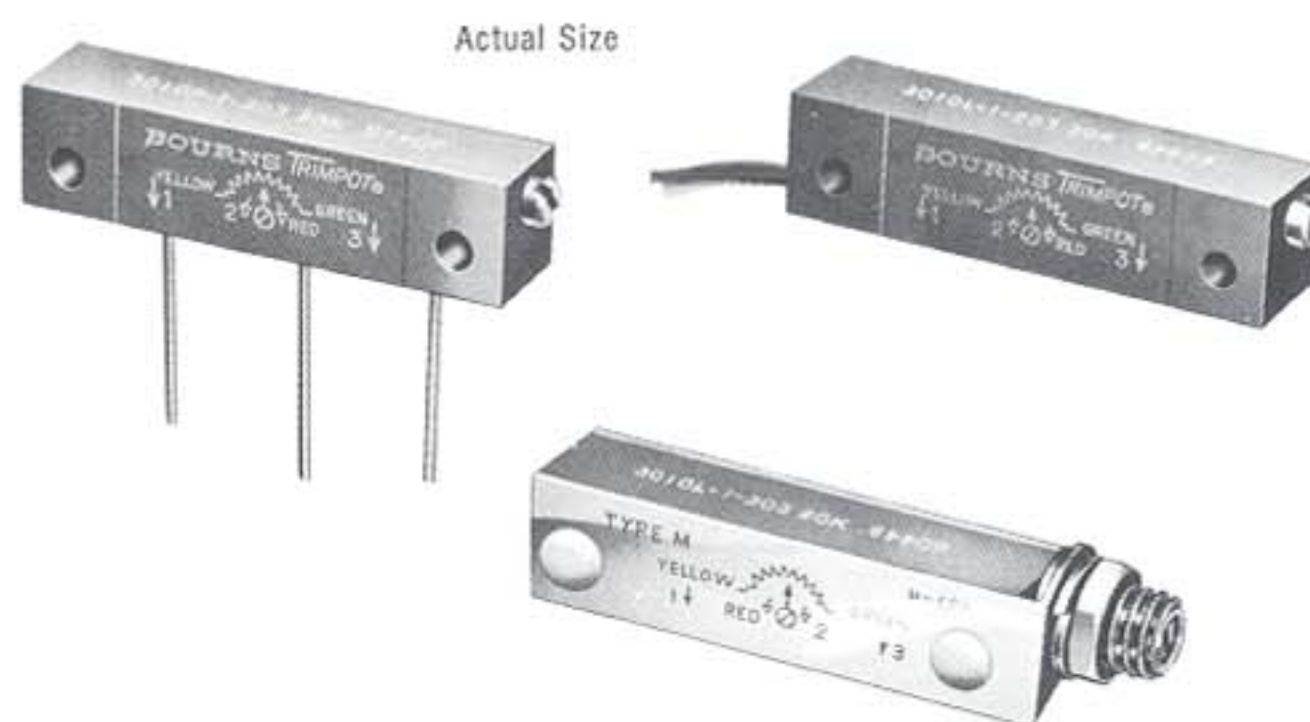
Leak Test	No leaks
Shaft Torque	5.0 oz.-in. maximum
Markings	Manufacturer's name, wiring diagram, date code, and manufacturer's part number (customer's part number optional)
Appearance	Legible markings, no physical defects
Mechanical Adjustment	22 ±5 turns
Mechanical Stops	Wiper assembly idles
Weight	Approximately 0.1 oz.
Terminals:	
L	Teflon insulated stranded leads, 30 AWG (0.024 O.D.) 7 strands/38 AWG
P	Gold plated grade A nickel printed circuit pins
Specification Note: Closer performance tolerances can be supplied upon request.	
Specifications subject to change without notice.	

OBSOLETE



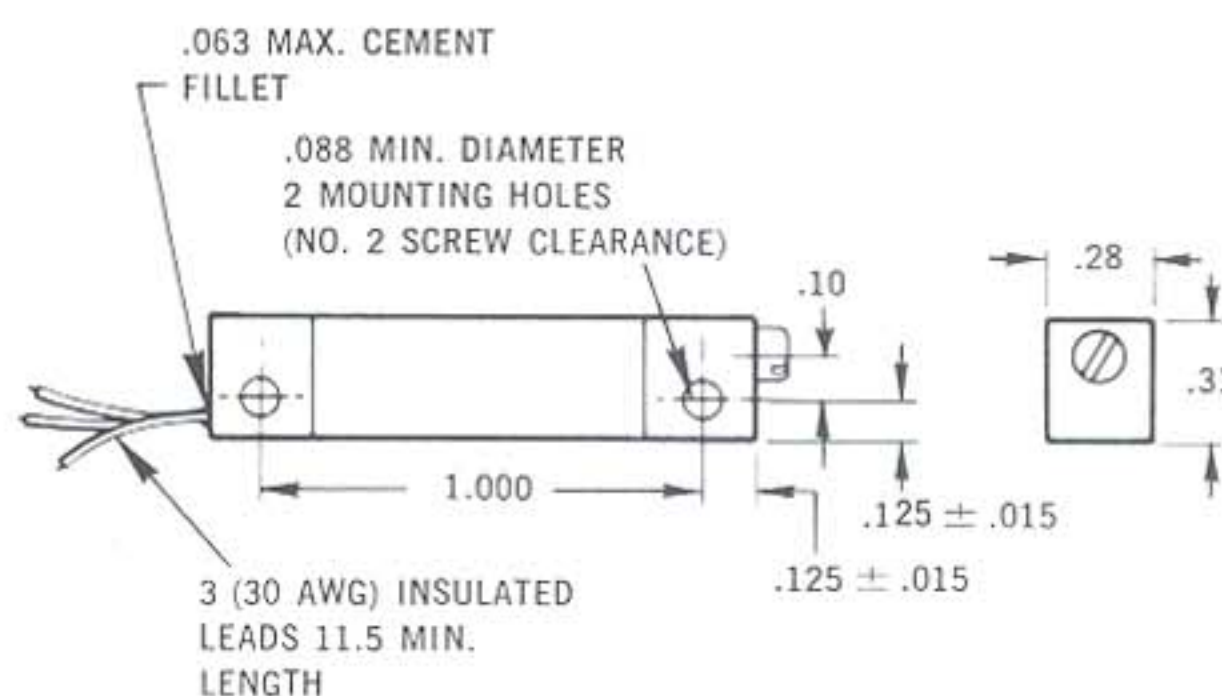
TRIMPOT PRODUCTS DIVISION
1200 COLUMBIA AVENUE
RIVERSIDE, CALIFORNIA 92507
PHONE 714 781-5050

BOURNS TRIMPOT® INDUSTRIAL WIREWOUND POTENTIOMETER 1¼" LONG MODEL 3010

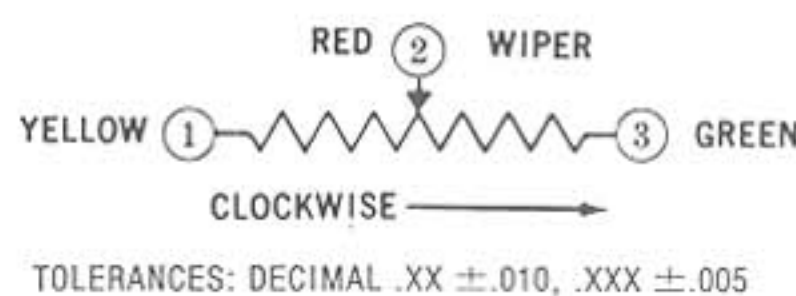
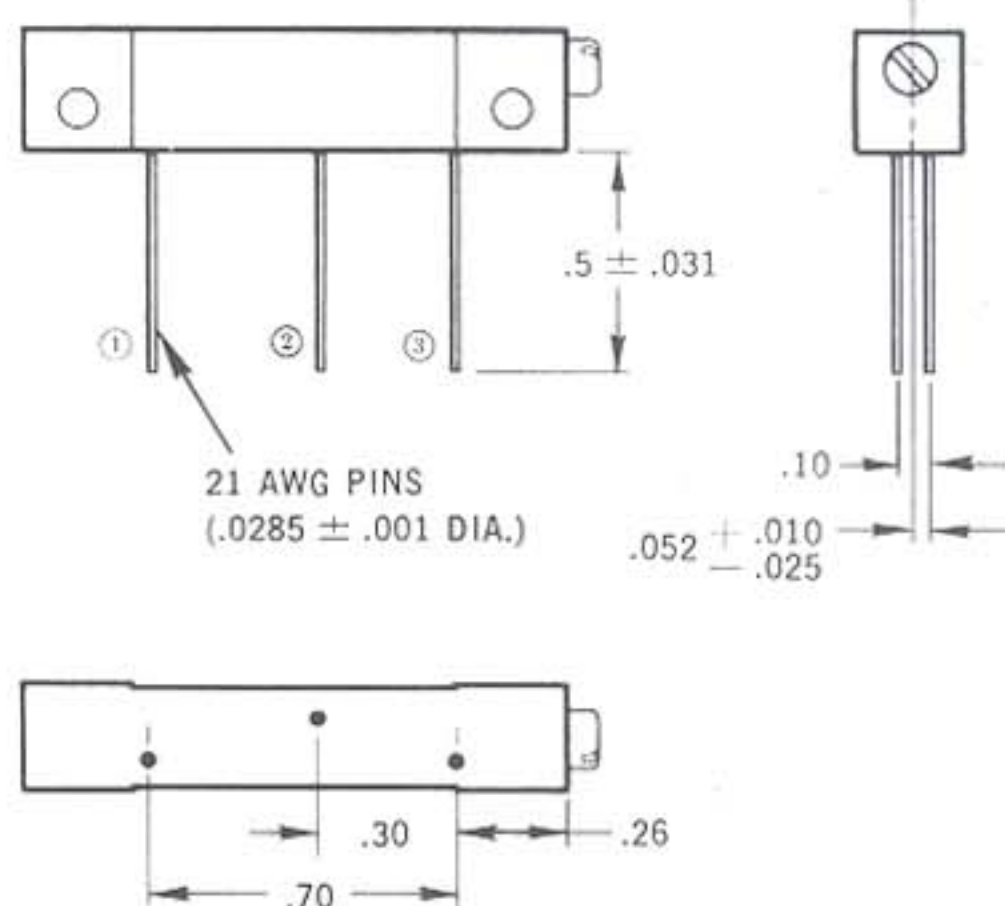


Panel Mount Model 3010 available with leads ①

3010L



3010P



METRIC CONVERSION	
INCH	MM
.001	.025
.010	.254
.015	.381
.025	.635
.031	.787
.052	1.321
.060	1.524
.063	1.600
.088	2.235
.100	2.540
.110	2.794
.125	3.175
.260	6.604
.280	7.112
.300	7.620
.310	7.874
.500	12.700
.700	17.780
1.000	25.400
1.250	31.750
11.500	292.100