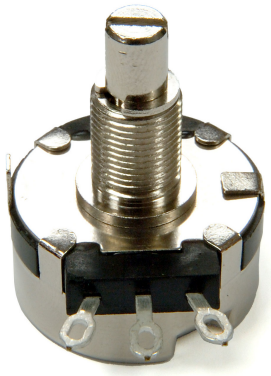
Model P270
27mm Rotary Potentiometer
Long Life - 1 Million cycles
Conductive Plastic Element
Heavy Duty Applications
Sealed Unit Available
RoHS Compliant



MODEL STYLES

Panel, Solder Lugs	P270
Panel, Solder Lugs, with Center Tap	P271

ELECTRICAL[1]

Resistance Range, Ohms	1K-1M Ω
Standard Resistance Tolerance	± 10%
Residual Resistance	6 Ω max.
Input Voltage, maximum	500 Vdc not to exceed power rating
Power rating, Watts	2 Watts @ 70°C
Dielectric Strength	1000VAC, I minute
Insulation Resistance, Minimum	50M ohms at 500Vdc
Sliding Noise	100mV max.
Actual Electrical Travel, Nominal	300°
Electrical Continuity, Nominal	312°

MECHANICAL

Total Mechanical Travel	312°± 5°
Static Stop Strength	20 oz-in
Rotational Torque, Maximum	Dust Proof : 2.0.oz-in max. Sealed : 2.0 - 3.5 oz-in
Panel Nut Tightening Torque	25 lb-in

ENVIRONMENTAL

Operating Temperature Range	-55°C to +120°C
Rotational Load Life	1M Cycles (10% ΔR)

[1] *Specifications subject to change without notice.*

BI Technologies Corporation
4200 Bonita Place, Fullerton, CA 92835 USA
Phone: 714 447 2345 Website: www.bitechnologies.com

TT electronics
BI technologies

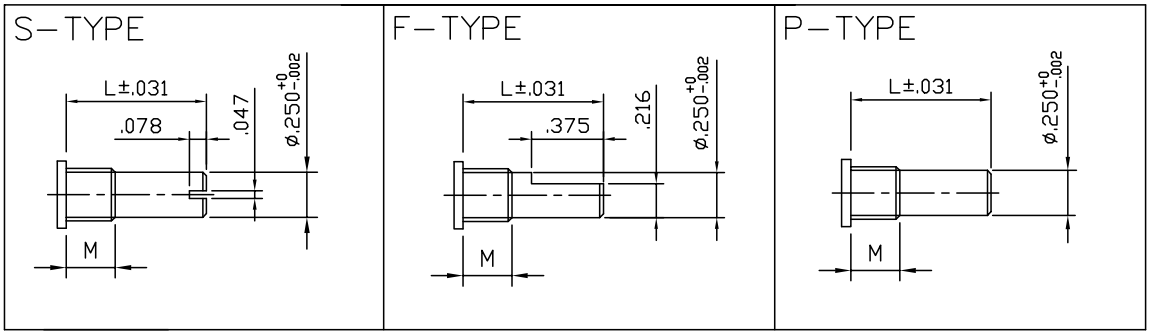
Model P270

ORDERING INFORMATION[2]

P270 – S P 2 2 R100K

- Model Series
- Seal Type
  - S = Sealed
  - D = Dust proof
- Shaft Type: see below
- Shaft Length (L)
  - 1 = .625”
  - 2 = .875”
  - 3 = 1.000”
  - 4 = 2.000”
- Bushing Length (M)
  - 1= .250”
  - 2 =.375”
  - 3 = .500”
- Total Resistance

Shaft Types

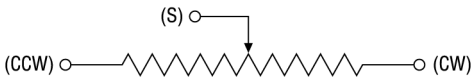


STANDARD RESISTANCE VALUES, OHMS

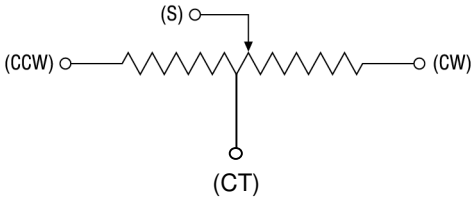
1K	2K	5K	10K	20K	50K	100K	200K	500K	1MEG

CIRCUIT DIAGRAM

P270 (without Center Tap)



P271 (with Voltage Center Tap)



[2] *Contact our customer service for custom designs and features.*

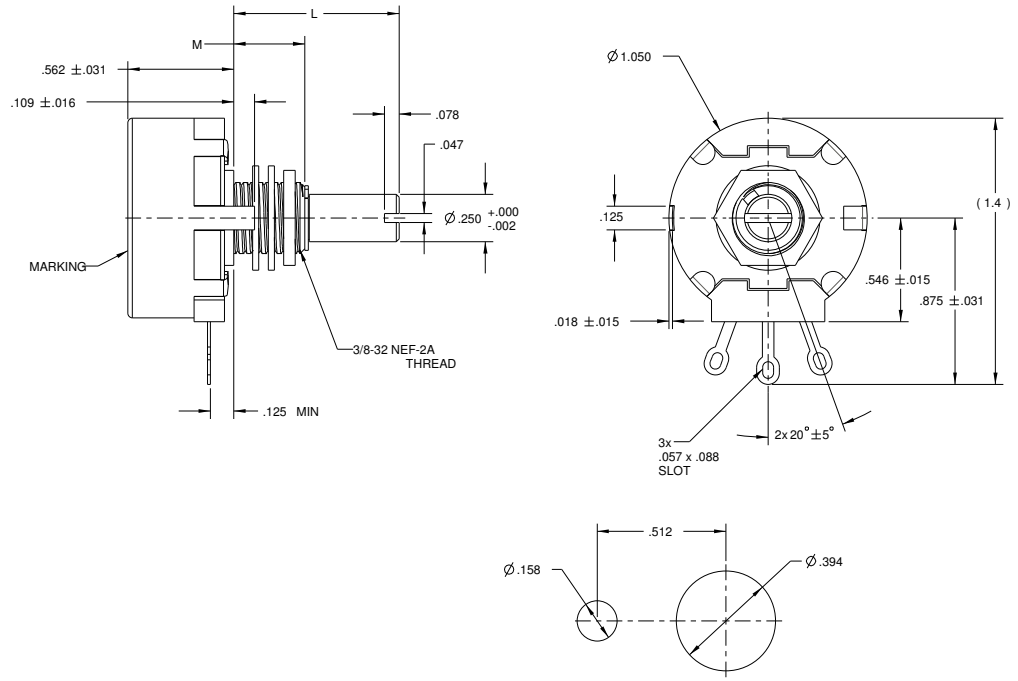
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Model P270

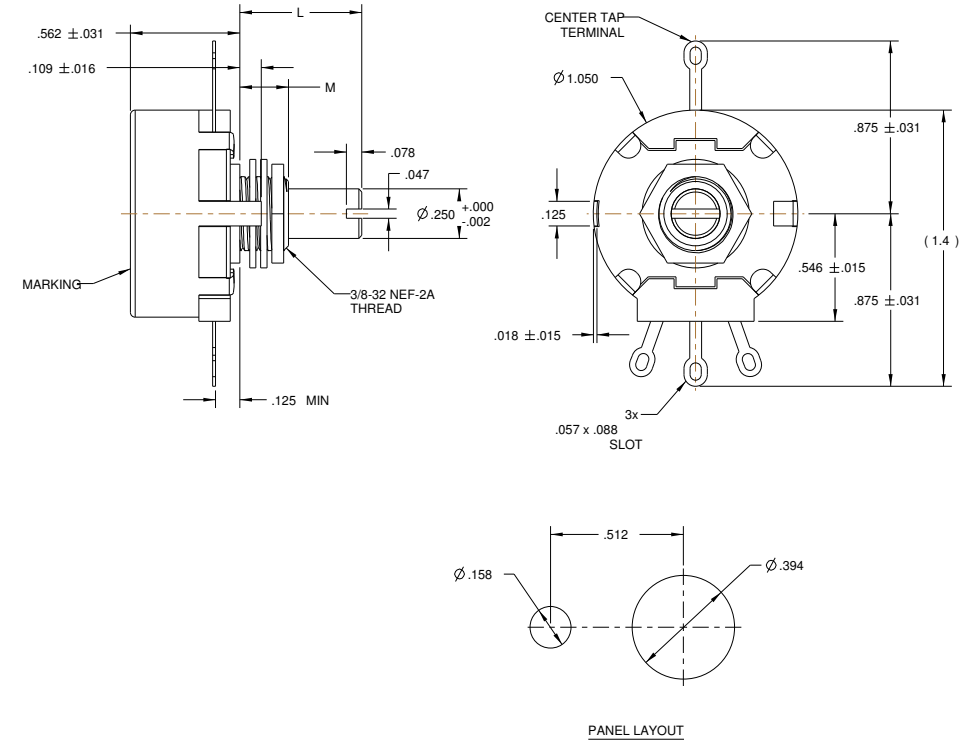
OUTLINE DRAWING

Model 270



PANEL LAYOUT

Model 271 (Center Tap)



PANEL LAYOUT

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