Model P270 / P271 / P272

Features:

- 12.7 mm (1/2") square rotary
- 1,000,000 cycle life
- Conductive plastic element
- Heavy duty applications
- Sealed unit available





Model Styles Available

RoHS 2 compliant

Panel, Solder Lugs, Single Gang	P270
Panel, Solder Lugs, with Center Tap	P271
Panel, Solder Lugs, Dual Gang	P272

Electrical

Resistance Range, Ohms 200-1M (for "B" t 1K-1M (for other ta			
Standard Resistance Tolerance	± 10%		
Residual Resistance	6 Ώ max.		
Input Voltage, maximum	500 Vdc not to exceed power rating		
Power rating, Watts	2 Watts @ 70°C for "B" Taper, 1 Watt for all others		
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, Maximum	200 oz-in
Rotational Torque, (Single gang)	Dust Proof : 1.0.oz-in. Max. Sealed : 1.0 to 2.5 oz-in
Rotational Torque, Maximum (Dual gang)	Dust Proof : 3.0.oz-in. Sealed : 5.0 oz-in
Panel Nut Tightening Torque	25 lb-in

General Note

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Model P270 / P271 / P272

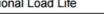


Environmental



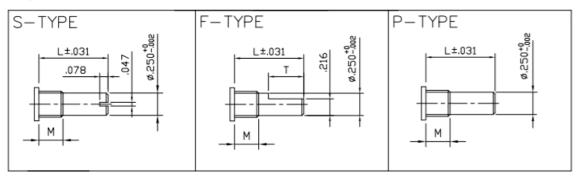
Rotational Load Life

-55°C to +120°C 1M Cycles (10% ΔR)



Ordering P270 - S P 2 2 B R100K Total Resistance Model Series Seal Type Taper S = Sealed A = Audio D = Dust proof B = Linear Shaft Length (L) C = Reverse Audio Bushing Length (M) 1 = .625" Shaft Type: see below 1= .250" 2 = .875" 2 =.375" 3 = 1.000" 3 = .500" 4 = 2.000"

Shaft Types



F-TYPE Shaft – Bushing Combinations					
Shaft Length (L)	Bushing Length (M)	Flat Length (T)			
(1) = .625	(1) = .250	.315			
(1) = .625	(2) = .375	.180			
(1) = .625	(3) = .500	Not Available			
(2) = .875	(3) = .500	.315			
All Other	Combinations	.375			

STANDARD RESISTANCE VALUES, OHMS									
1K	2K	5K	10K	20K	50K	100K	200K	500K	1MEG

General Note

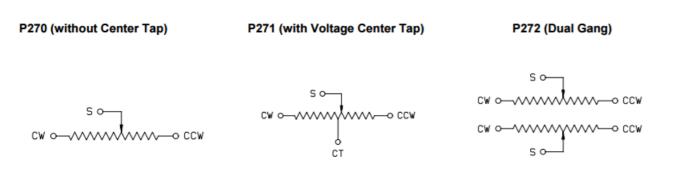
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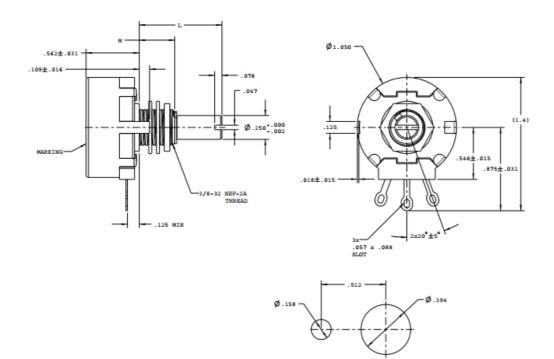
Model P270 / P271 / P272



CIRCUIT DIAGRAM



Model 270



DANEL LAYOUT

General Note

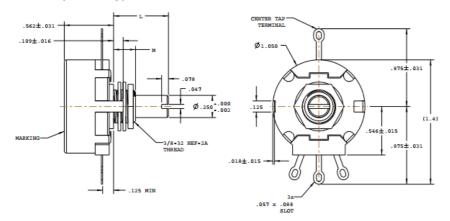
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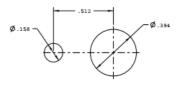
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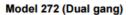


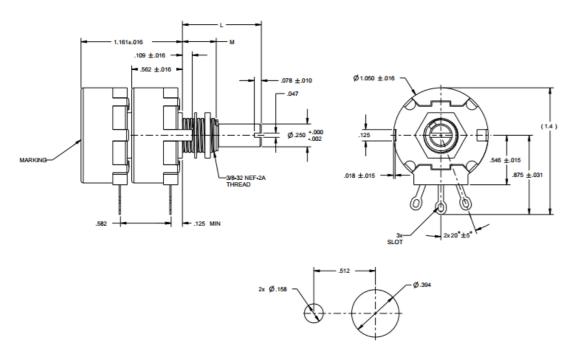
Model 271 (Center Tap)





PANEL LAYOUT





PANEL LAYOUT

General Note

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