

MODEL P232 / P233
24mm Rotary Potentiometer
Sealed/ Dust Proof
Long Life Element
2 Million Cycle Life
Metal Shaft/ Bushing
RoHS Compliant



For more information about this product, visit our website at:
www.potentiometers.com

Model Styles

Side Adjust, Solder Lugs, Single-Gang	P232
Side Adjust, Solder Lugs, Dual-Gang	P233

Electrical Specifications

Resistance Range, Ohms	1K-1M (for "B" taper) 5K-1M (for other tapers)
Standard Resistance Tolerance	± 10%
Residual Resistance	3 ohms max.
Input Voltage, Maximum	200 Vdc max.
Power rating, Watts	0.5W- B taper; 0.3W- others
Dielectric Strength	500Vac, 1 minute
Insulation Resistance, Minimum	100M ohms at 1,000Vdc/ 1 minute
Peak Noise (Contact Resistance Variation) @ 6 rpm	±3% max.
Linearity	±3% max.
Actual Electrical Travel, Nominal	280°
Gang Error	±3dB (-40dB to 0dB)

Mechanical Specifications

Total Total Mechanical Travel	300°± 5°
Static Stop Strength, Minimum	120 oz-in
Rotational Torque, Maximum, Single Gang (P232)	1.5 oz-in
Rotational Torque, Maximum, Dual Gang (P233)	3.0 oz-in

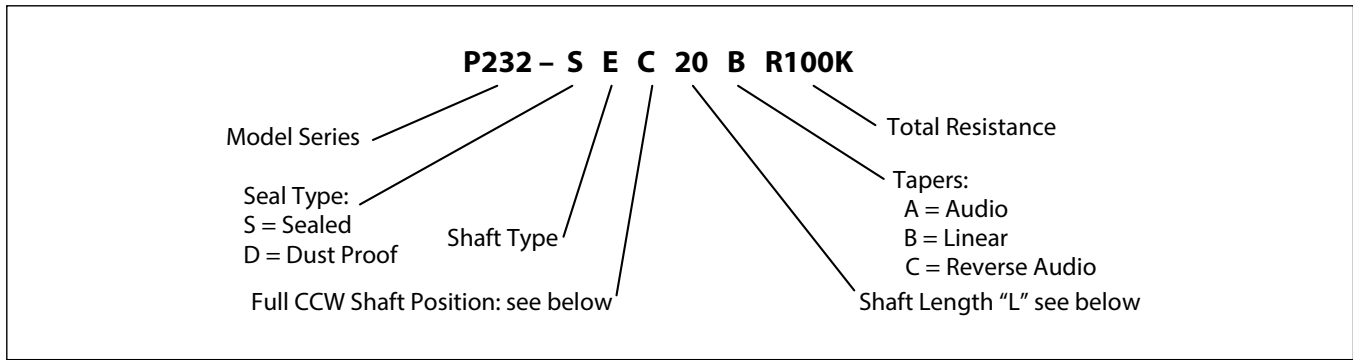
Environmental Specifications

Operating Temperature Range	-10°C to +85°C
Rotational Life	2,000,000 cycles

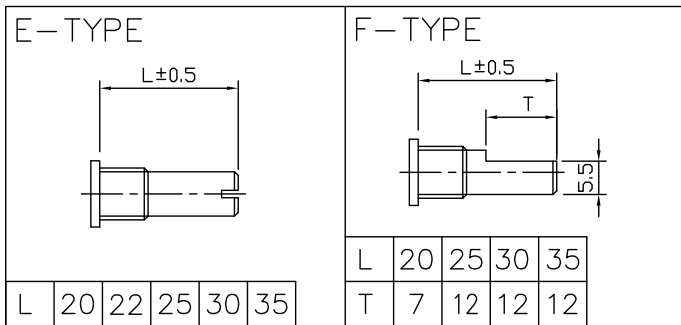
Specifications subject to change without notice.

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Ordering Information

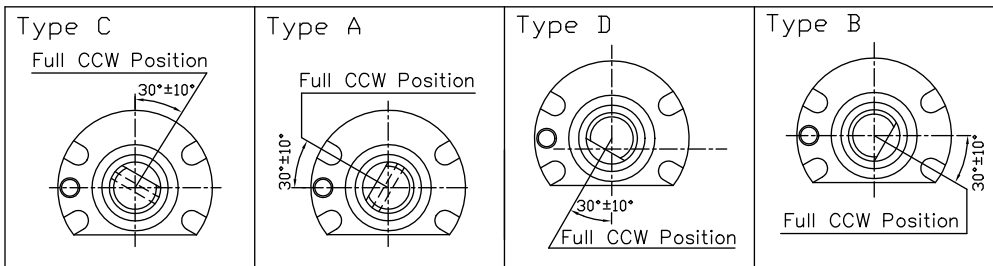


Shaft Types



Shaft Position (F-Type Shaft)

Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type shaft

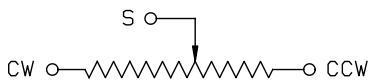


Standard Resistance Values, Ohms

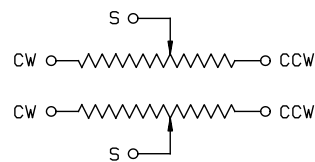
1K 2K 5K 10K 20K 50K 100K 200K 500K 1MEG

Circuit Diagram

P232 (Single gang)



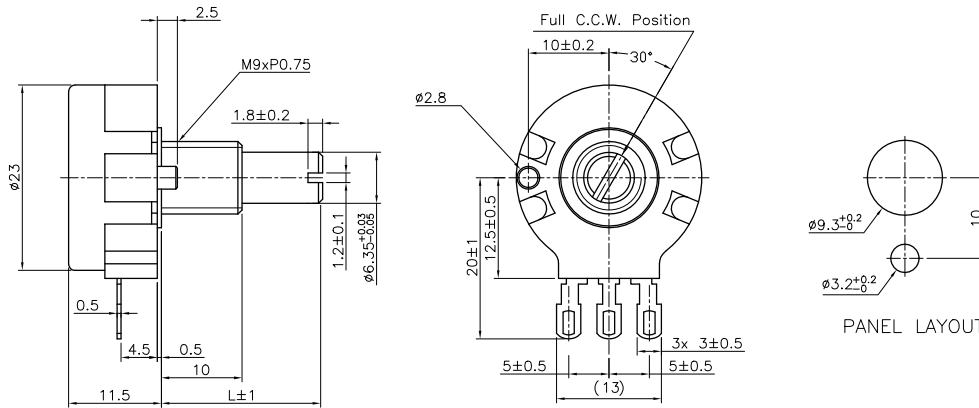
P233 (Dual gang)



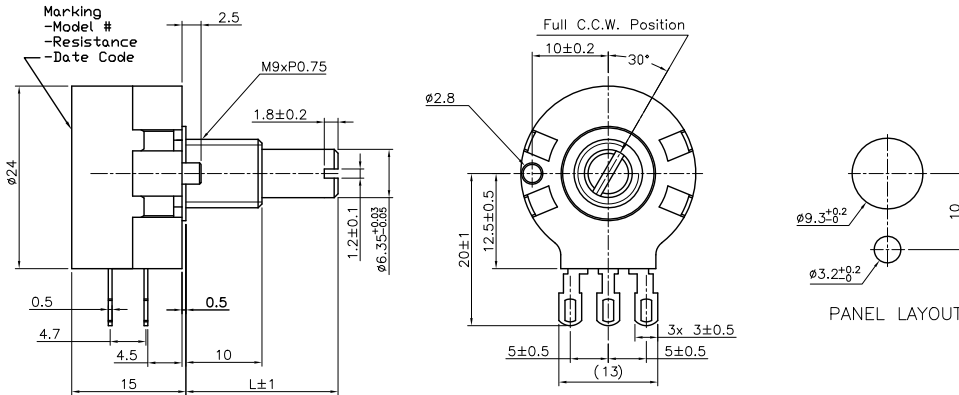
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Outline Drawing

Model P232



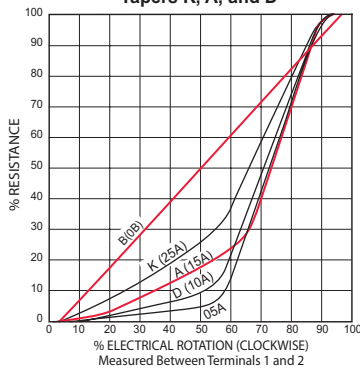
Model P233



Taper Curves

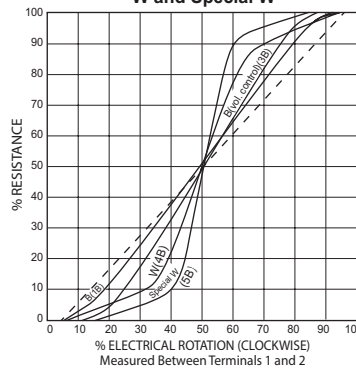
Audio / Log Tapers

Standard Audio Taper = A(15A)
 Linear Taper = B(0B)
 All Others are Semi-Custom
 Minimum Order required
 Tapers K, A, and D



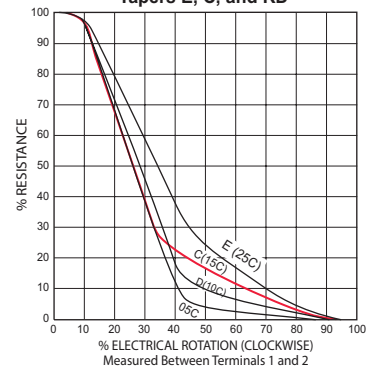
More Semi-Custom Tapers

Minimum Order required
 Tapers B, B(volume control),
 W and Special W



Reverse Audio & Log Tapers

Standard Reverse Audio = C(15C)
 All Others are Semi-Custom -
 Minimum Order required
 Tapers E, C, and RD



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