



# 7/8" TO 1-3/4" DIAMETER BUSHING MOUNT

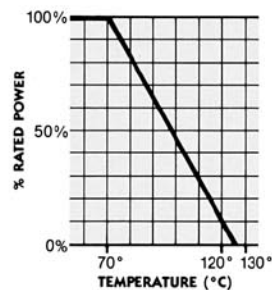
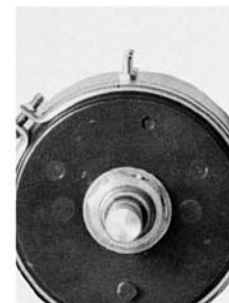
## BUSHING MOUNT/SLEEVE BEARING INDUSTRIAL MODEL 4232, 4233

## HYBRID 3, 5 AND 10-TURN PRECISION POTENTIOMETERS

BUSHING MODEL	4232/4233
<b>ELECTRICAL</b>	
Theoretical Electrical Travel	3600°
Normal Resistance Range	1K to 80K
Extended Resistance Range <sup>(1)</sup>	1K to 100K
Resistance Tolerance: Standard %	± 5
Best Practical %	± 3
Power Rating At 70°C, Derating To 0 at 125°C (Watts)	2.5
Linearity, Independent, Tolerance, Standard %	± 0.25
Best Practical %	± 0.1
Output Smoothness Max. (% Of Applied Voltage)	0.25
End Voltage Max. (% Of Total Applied Voltage)	0.25
Insulation Resistance At 500 VDC, Min. (Megohms)	1000
Dielectric Withstanding Voltage (Volts RMS)	1000
Max. Applied Voltage (Volts DC) <sup>(2)</sup>	1000
Temperature Coefficient Of Potentiometer, Max. %/°C	± .007
Tap Spacing Minimum	30°
<b>MECHANICAL</b>	
Total Mechanical Travel	3600° + 10° - 0°
Mechanical Life, Shaft Revolutions	2 million
Ganged Cups, Max. (Number)	2
Taps, Max., Excluding End Terminations	46
Moment Of Inertia, Per Cup (gm-cm <sup>2</sup> )	0.4
Weight: Single Cup (oz.)	1.3
Each Additional Cup (oz.)	1.0
Torque, Max. Per Cup (oz.-in)	0.6
Pilot Diameter Runout, Max.	.002
Lateral Runout, Max.	.005
Shaft Runout, Max.	.002
Shaft Radial Play, Max.	.003
Shaft End Play, Max.	.010
Dimension For Each Additional Cup	1.323 ± .002
Stop Strength Static (oz.-in)	100
<b>ENVIRONMENTAL</b>	
Temperature Range (°C) Standard	- 55 to + 125

(1) All specifications listed apply to units with a total resistance within the normal resistance range. Higher or lower resistances may require some degradation of listed specifications because of resistance material composition.

(2) Not to exceed specified power rating.



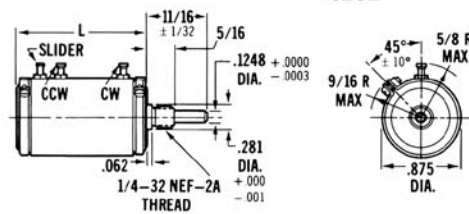
ALL MODELS are manufactured to meet or exceed applicable characteristics of MIL-R-39023. For MILITARY-APPROVED (QPL) Listings, see page 52.

**TOLERANCES UNLESS OTHERWISE SPECIFIED:**

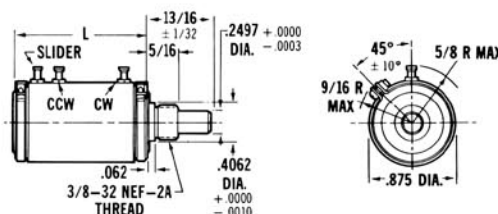
FRACTIONAL: ± 1/64" DECIMAL: ± .005" ANGULAR: ± 1°

**LENGTHS**

MODEL	NUMBER OF TURNS	LENGTH DIMENSION L
4205		.960 ± .006
4206	3	.960 ± .006
4605		1.148 ± .007
4705		1.148 ± .007
4208	5	1.103 ± .006
4209		1.103 ± .006
4202		1.460 ± .006
4203		1.460 ± .006
4232	10	1.460 ± .006
4233		1.460 ± .006
4602		1.925 ± .007
4702		1.925 ± .007



**4232**



**4233**