

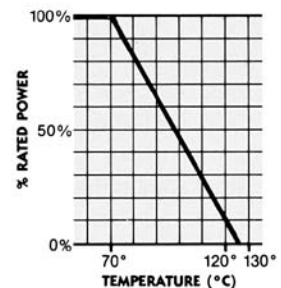
BUSHING MOUNT/SLEEVE BEARING  
INDUSTRIAL MODEL 2232

## HYBRID SINGLE-TURN PRECISION POTENTIOMETERS

BUSHING MODEL	2232
<b>ELECTRICAL</b>	
Theoretical Electrical Travel	354°
Normal Resistance Range	500Ω to 7.5K
Extended Resistance Range <sup>(1)</sup>	200Ω to 10K
Resistance Tolerance: Standard %	± 10
Best Practical %	± 5
Power Rating At 70°C, Derating To 0 At 125°C (Watts)	1.25
Linearity, Independent, Tolerance, Standard %	± 0.5
Best Practical %	± 0.3
Output Smoothness Max. (% Of Total Applied Voltage)	0.5
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>	400
Temperature Coefficient Of Potentiometer, Max. %/°C	± .007
<b>MECHANICAL</b>	
Total Mechanical Travel	360° Continuous
Mechanical Life, Shaft Revolutions	2 million
Ganged Cups, Max. (Number)	6
Taps, Max., Excluding End Terminations	9
Moment Of Inertia, Per Cup (gm-cm <sup>2</sup> )	0.3
Weight: Single Cup (oz.)	0.6
Each Additional Cup (oz.)	0.2
Torque, Max. Per Cup (oz.-in)	0.3
Pilot Diameter Runout, Max.	.002
Lateral Runout, Max.	.003
Shaft Runout, Max.	.002
Shaft Radial Play, Max.	.004
Shaft End Play, Max.	.007
Dimension For Each Additional Cup	.500 ± .002
<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°

2232

