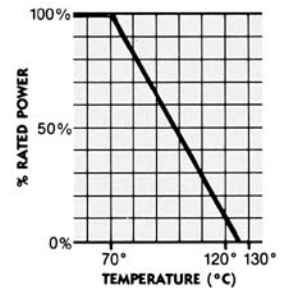
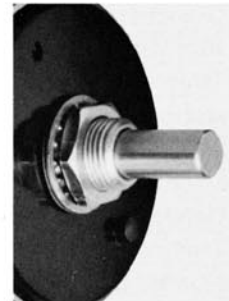


BUSHING MOUNT/SLEEVE BEARING
MODEL 2302

HYBRID SINGLE-TURN
PRECISION POTENTIOMETERS

| BUSHING MODEL | 2302 |
|--|-----------------|
| ELECTRICAL | |
| Theoretical Electrical Travel | 354° |
| Normal Resistance Range | 500Ω to 10K |
| Extended Resistance Range ⁽¹⁾ | 200Ω to 15K |
| Resistance Tolerance: Standard % | ± 5 |
| Best Practical % | ± 3 |
| Power Rating At 70°C, Derating To 0 At 125°C (Watts) | 2.0 |
| Linearity, Independent, Tolerance, Standard % | ± 0.4 |
| Best Practical % | ± 0.2 |
| Output Smoothness Max. (% Of Total Applied Voltage) | 0.4 |
| 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) ⁽²⁾ | 400 |
| Temperature Coefficient Of Potentiometer, Max. %/°C | ± .007 |
| MECHANICAL | |
| 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 ²) | 0.2 |
| Weight: Single Cup (oz.) | 0.8 |
| Each Additional Cup (oz.) | 0.5 |
| Torque, Max. Per Cup (oz.-in) | 0.2 |
| Pilot Diameter Runout, Max. | .0015 |
| Lateral Runout, Max. | .002 |
| Shaft Runout, Max. | .001 |
| Shaft Radial Play, Max. | .003 |
| Shaft End Play, Max. | .005 |
| Dimension For Each Additional Cup | .500 ± .002 |
| ENVIRONMENTAL | |
| 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.

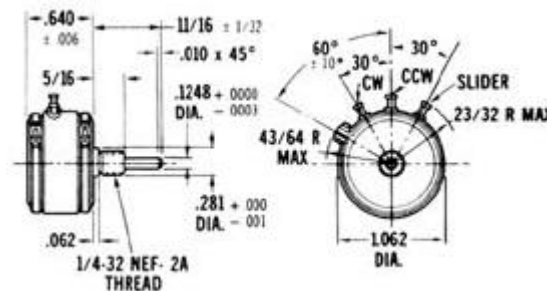


ALL MODELS are manufactured to meet or exceed applicable characteristics of MIL-R-39023. For MILITARY-APPROVED (QPL) Listings, see page 52.

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

2302



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