## $\mathbf{1}^{5} / \mathbf{1 6}^{\prime \prime}$ ( $\mathbf{3 3 . 3 \mathrm { mm } \text { ) Low Cost Industrial Single Turn }}$ Wirewound, Bushing Mount Type

## FEATURES



- Suitable model for all industrial applications
- Center tap available
- Continuous rotation and mechanical stops both standard
- Large electrical angle: $352^{\circ} \pm 2^{\circ}$


Model 132
$15 / 16^{" 1}(33.3 \mathrm{~mm})$ Low Cost Industrial Single Turn
Wirewound, Bushing Mount Type

DIMENSIONS in inches (millimeters)


TOLERANCES: UNLESS OTHERWISE NOTED. DECIMALS $\pm 0.005$ ANGLES $\pm 2^{\circ}$

| PARAMETER |  |  |
| :---: | :---: | :---: |
| Rotation | $360^{\circ}$ (continuous) or $340^{\circ} \pm 5^{\circ}$ (stops) |  |
| Bearing Type | Sleeve |  |
| Torque (Maximums) | STARTING <br> 1.0 oz . - in (72 g - cm $)$ | $\begin{gathered} \text { RUNNING } \\ 0.7 \text { oz.- in }(50.40 \mathrm{~g}-\mathrm{cm}) \end{gathered}$ |
| Runouts (Maximums) |  |  |
| Shaft Runout (TIR) | 0.002 " (0.05 mm) |  |
| Pilot Dia. Runout (TIR) | 0.003 " (0.08 mm) |  |
| Lateral Runout (TIR) | $0.005{ }^{\prime \prime}(0.13 \mathrm{~mm})$ |  |
| Shaft End Play | $0.008{ }^{\prime \prime}(0.20 \mathrm{~mm})$ |  |
| Shaft Radial Play | 0.003 " ( 0.08 mm ) |  |
| Weight | 1.0 oz. maximum ( 28.35 g ) |  |
| Stop Strength | 8.0 in - lbs ( $9.21 \mathrm{~kg} \mathrm{-} \mathrm{cm)} \mathrm{(stops} \mathrm{version} \mathrm{only)}$ |  |

## POWER RATING CHART



## MARKING

Unit
Identification

Units shall be marked with Vishay Spectrol name, model number, resistance and tolerance, linearity, terminal identification, and data code Applicable test procedures: MIL-R-12934

RESISTANCE ELEMENT DATA

| RESISTANCE <br> VALUES <br> $(\Omega)$ | RESO- <br> LUTION <br> $(\%)$ | OHMS <br> PER <br> TURN | MAXIMUM <br> CURRENT <br> AT 40 <br> AMBIENT <br> (mA) | MAXIMUM <br> VOLTAGE <br> ACROSS <br> COIL <br> $(\mathrm{V})$ | WIRE <br> TEMP. <br> COEF. <br> $\left(\mathrm{ppm} /{ }^{\circ} \mathrm{C}\right)$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | 0.419 | 0.021 | 742 | 3.71 | 800 |
| 10 | 0.327 | 0.032 | 524 | 5.24 | 800 |
| 20 | 0.280 | 0.056 | 371 | 7.42 | 800 |
| 50 | 0.290 | 0.145 | 234 | 11.7 | 20 |
| 100 | 0.251 | 0.251 | 166 | 16.6 | 20 |
| 200 | 0.212 | 0.424 | 122 | 24.4 | 20 |
| 500 | 0.161 | 0.806 | 74.2 | 37.1 | 20 |
| 1 K | 0.150 | 1.50 | 52.4 | 52.4 | 20 |
| 2 K | 0.132 | 2.64 | 37.1 | 74.2 | 20 |
| 5 K | 0.107 | 5.34 | 23.4 | 117 | 20 |
| 10 K | 0.080 | 7.98 | 16.6 | 166 | 20 |
| 20 K | 0.067 | 13.4 | 12.2 | 244 | 20 |
| 35 K | 0.057 | 20.0 | 8.88 | 311 | 20 |

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