Model 140

# 1/2" ( 12.7 mm ) Single - Turn Wirewound Bushing Mount Type Precision Potentiometer 



| SAP PART NUMBERING GUIDELINES |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 140B | $\mathbf{7}$ | $\mathbf{0}$ | $\mathbf{1 0 3}$ | B10 |
| MODEL | MECHANICAL OPTION | FEATURE | OHMIC VALUE | PACKAGING |
|  | From 0 to 7 | From 0 to 7 | $103=10 \mathrm{~K}$ | Box of <br>  |

DIMENSIONS in inches (millimeters)


CENTER TAP OPTION


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

CENTER TAP AVAILABLE AS SPEC STANDARD FEATURE


## POWER RATING CHART



## MARKING

|  | Units shall be marked with manufacturer's <br> name, model number, resistance value and |
| :--- | :--- |
| tolerance, circuit diagram, terminal |  |
| Unit | Identification |
| identification, linearity and data code. |  |
|  | Example of a marking for a standard part: <br> $140-1-2-103$ |


| RESISTANCE ELEMENT DATA |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| STD <br> RESISTANCE <br> VALUES <br> $(\Omega)$ | RESO <br> LUTION <br> $(\%)$ | OHMS <br> PER <br> TURN | MAXIMUM <br> CURREN <br> AT 40 <br> AMBIENT <br> $($ mA) | MAXIMUM <br> VOLTAGE <br> ACROSS <br> COIL <br> (V) | WIRE <br> TEMP. <br> COEF. <br> (ppm/ ${ }^{\circ}$ ) |  |
| 50 | 0.542 | 0.271 | 200.0 | 10.0 | 20 |  |
| 100 | 0.431 | 0.431 | 141.0 | 14.1 | 20 |  |
| 200 | 0.361 | 0.722 | 100.0 | 20.0 | 20 |  |
| 500 | 0.312 | 1.56 | 63.2 | 31.6 | 20 |  |
| 1 K | 0.255 | 2.55 | 44.7 | 44.7 | 20 |  |
| 2 K | 0.197 | 3.94 | 31.6 | 63.2 | 20 |  |
| 5 K | 0.170 | 8.50 | 20.0 | 100.0 | 20 |  |
| 10 K | 0.147 | 14.7 | 14.1 | 141.0 | 20 |  |
| 20 K | 0.105 | 21.0 | 10.0 | 200.0 | 20 |  |

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