

**Type 470 Series**

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For applications that demand a durable, miniature trimming potentiometer, this military style offers quality at the right price. Cermet element technology ensures stability and performance in these 6mm diameter components. All units are fully sealed to withstand immersion in normal board washing solvents.

**Key Features**

- Stable High Resolution Cermet Element
- 0.5 Watt Rating at 85°C
- Space-Saving Device
- Proven Reliability
- -55°C to +125°C Temperature Range
- Sealed to Withstand Wave Soldering
- Sealed to Withstand Immersion Cleaning

**Characteristics - Electrical**

<b>Resistance Range:</b>	100R to 1M
<b>Resistance Values:</b>	1, 2 and 5 in each decade
<b>Resistance Tolerance:</b>	± 10%
<b>End Resistance:</b>	2 Ohms or 1%, whichever is greater
<b>Slider Current:</b>	50 mA or within power rating, Max.
<b>Power Rating:</b>	0.5W at 85°C derating to zero at 125°C
<b>Isolation Voltage:</b>	300 V dc or ac peak
<b>Limiting Element Voltage:</b>	200 V dc or ac RMS, Max.
<b>Breakdown Voltage:</b>	600 V ac for one minute
<b>Insulation Resistance:</b>	1000 M Ohms at 500 V dc, Min.
<b>Resolution:</b>	Essentially Infinite
<b>Rotational Noise (CRV):</b>	3 Ohms or 3 %, whichever is greater
<b>Temperature Coefficient:</b>	± 250 ppm/°C
<b>Electrical Adjustment:</b>	240° Nominal

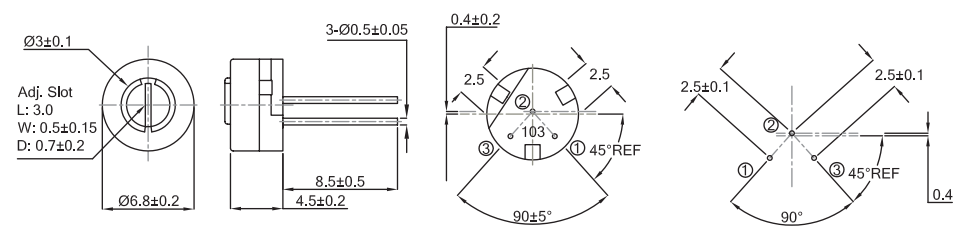
**Characteristics - Mechanical**

<b>End Stop:</b>	40 mNm Min.
<b>Starting Torque:</b>	30 mNm Max.
<b>Mechanical Adjustment:</b>	260° Nominal
<b>Weight:</b>	0.57 gm Max.

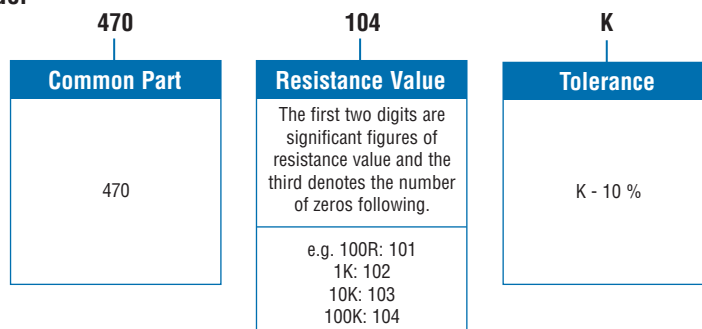
**Characteristics - Environmental**

<b>Temperature Range:</b>	-55°C to +125°C
<b>Thermal Shock:</b>	5 Cycles -55°C to +150°C
<b>Bump Severity:</b>	4000 Bumps; 40G
<b>Vibration Severity:</b>	10 - 500Hz; 30 G ΔR<1%
<b>Rotational Life:</b>	200 Cycles
<b>Load Life at 70°C:</b>	1000 Hours at 0.5 W
<b>Sealing:</b>	Sealed for immersion & board washing processes
<b>Climatic Category:</b>	55/125/21

**Dimensions**



**How to Order**



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