



Type 16P Series



Specify the type 16P for applications where high insulation resistance and voltage proof are key requirements.

The materials used in the all plastic body and spindle construction are UL approved making it an ideal component for domestic appliances and control systems where safety is of prime importance.

This popular low cost potentiometer is suitable for industrial and professional applications.

Key Features

- Polymer Thick Film Element
- High Reliability
- Small Versatile Size
- All Plastic Body
- Plastic Spindle
- Flame Retardant

Spindle Operated Potentiometers

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Characteristics - Electrical

Resistance Range:	1K to 1M (Linear) 4K7 - 470K (Non-Linear)
Resistance Value:	1, 2.2 and 4.7 in each decade
Resistance Tolerance:	± 20% (10% by selection)
Rated Dissipation at 20°C:	0.25W (Linear), 0.125W (Non Linear)
Limiting Element Voltage:	350 V DC or AC RMS
Electrical Rotation:	240°
Terminal Resistance:	5 ohms, maximum
Noise (ENR):	2% maximum (Linear), 3% maximum (Non Linear)
Insulation Resistance:	4G Ohms, minimum
Voltage Proof:	1KV AC Peak

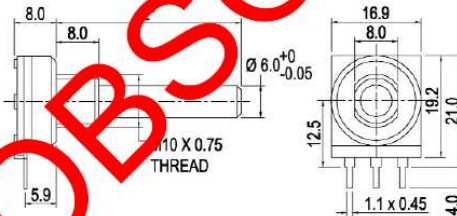
Characteristics - Mechanical

Operating Torque:	15mNm Maximum
Mechanical Rotation:	270° Nominal
End Stop Torque:	35mNm Maximum

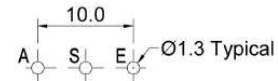
Characteristics - Environmental

Limits of Resistance Change:	± 5% (after 1000 Hours Endurance)
Temperature Characteristics of Resistance:	5% (20°C to 70°C)
Bump Severity:	390m/s ² , 4000 Bumps
Vibration Severity:	10 - 500Hz, 0.75 mm or 98M/s ²
Climatic Category:	25/70/04
Mechanical Endurance:	15000 Operations (Minimum)

Dimensions



PCB Layout



Dimension, see Shaft Length in How to Order

How to Order

