

**RoHS  
Compliant**

## Features

- Multiturn / Wirewound / Industrial
- Metal shaft and Bushing
- Bushing Mount
- Available with shaft (6mm Dia.)



## Electrical Characteristics

Standard Resistance Range	: 100 to 100kΩ
Number of Turns	: 10
Resistance Tolerance	: ±5% Std.
Independent Linearity	: ±0.25%
Effective Electrical Angle	: 3600°. -10°. min.
Absolute Minimum Resistance	: 0.2% or 2Ω Max.
Noise	: 100Ω ENR max.
Insulation Resistance	: 500V DC, 1000MΩ min.
Dielectric Withstanding Voltage	: 101.3kpa 900V AC

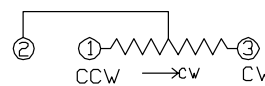
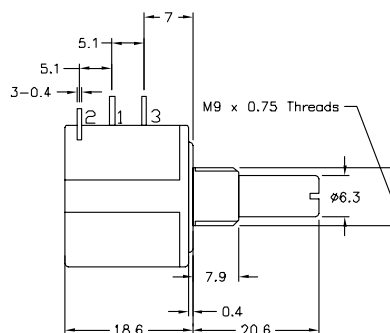
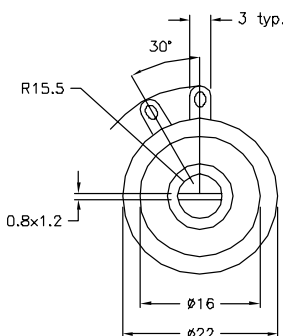
## Environmental Characteristic

Power Rating	: 2 Watt (70°C), 0 Watt (125°C) (500 Volts Max.)
Temperature Range	: -55°C to +125°C
Temperature Coefficient	: ±100ppm/°C
Vibration	: 98m/s <sup>2</sup> (1% ΔTR, 1% ΔVR)
Shock	: 490m/s <sup>2</sup> (1% ΔTR, 1% ΔVR)
Load Life	: 1,000 hrs, 2 Watt @ 70°C
Rotational Life (No Load)	: 1,000,000 Shaft revolutions
Total Resistance Shift	: ±5% Max.

## Physical Characteristics

Torque	: 36mN-m Max.
Stop Strength	: 300mN-m max.
Mechanical Angle	: 3600°. Min.

## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Resistance Ohms	Part Number
Precision Wirewound Potentiometer	100	MCWWPT-10-101-LF
	1,000	MCWWPT-10-102-LF
	10,000	MCWWPT-10-103-LF
	100,000	MCWWPT-10-104-LF
	200	MCWWPT-10-201-LF
	2,000	MCWWPT-10-202-LF
	20,000	MCWWPT-10-203-LF
	500	MCWWPT-10-501-LF
	5,000	MCWWPT-10-502-LF
	50,000	MCWWPT-10-503-LF

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