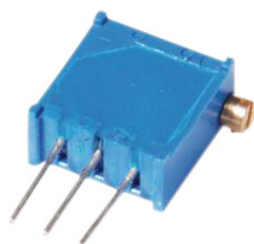


# Trimmer Potentiometer



## Features:

- 9mm Square Multi-turn
- Cermet / Industrial / Sealed
- 5 Terminals types (W / X / P / Y / Z)
- Available with a knob for finger adjust

## Specifications:

### Electrical Characteristics

Standard Resistance Range	: 1,000 $\Omega$ to 1,000,000 $\Omega$
Resistance Tolerance	: 10% std.
Absolute Min. Resistance	: 1% or 2 $\Omega$ max. (Whichever is greater)
Contact Resistance Variation	: 3% or 3 $\Omega$ max. (Whichever is greater)
Adjust ability	: Voltage 0.01% Resistance 0.05%

Resolution	: Infinite
Insulation Resistance	: 500V DC 1,000m $\Omega$ min.
Dielectric Strength	: 101.3 kPa 600V AC 8.5 kPa 360V AC

Effective Travel	: 25 turns nom
------------------	----------------

### Environmental Characteristics

Power Rating (300 volts max.)	: 0.5 watt (70°C) , 0 watt (125°C)
Temperature Range	: -55°C to +125°C
Temperature Coefficient	: $\pm 100$ ppm/°C
Vibration	: 98 m/s <sup>2</sup> (1% TR; 1% VR)
Shock	: 390 m/s <sup>2</sup> (1% TR; 1% VR)
Load Life	: 1,000 hours 0.5 watt @ 70°C (3% TR; 4% or 4 $\Omega$ , whichever is greater , CRV)
Rotational Life	: 200 cycles (3% TR; 4% or 4 $\Omega$ )

### Physical Characteristics

Torque	: 36mN max.
Mechanical Stops	: Wiper idles
Terminals	: Solderable pins
Standard Packaging	: 50pcs. per tube

## Standard Resistance Table:

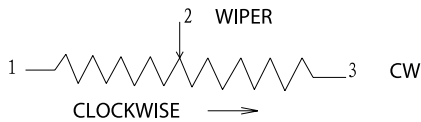
Resistance Ohms	Resistance Code	Resistance Ohms	Resistance Code
1,000	102	25,000	253
10,000	103	5,000	502
100,000	104	50,000	503
1,000,000	105	500,000	504



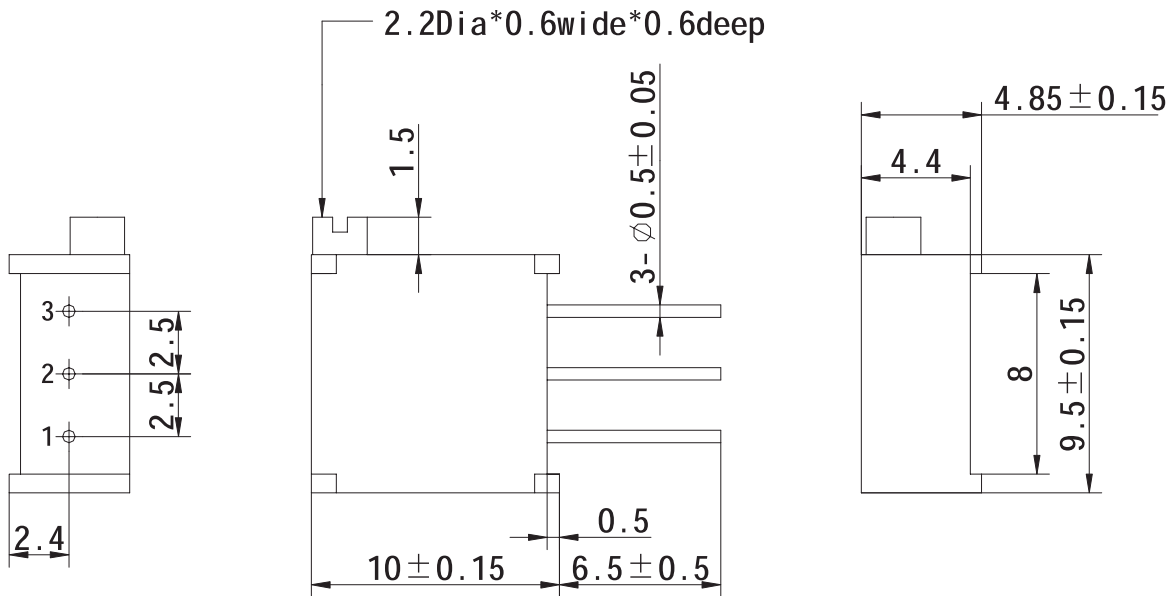
# Trimmer Potentiometer



## Diagram:



## Dimensions:



Dimensions : Millimetres

Tolerances:  $\pm 0.25$  Except Where Noted.

## Part Number Table

Description	Part Number
Trimmer, Potentiometer, 1k $\Omega$ , 25 Turn	MCWIW1029-X-102-LF
Trimmer, Potentiometer, 10k $\Omega$ , 25 Turn	MCWIW1029-X-103-LF
Trimmer, Potentiometer, 100k $\Omega$ , 25 Turn	MCWIW1029-X-104-LF
Trimmer, Potentiometer, 1m $\Omega$ , 25 Turn	MCWIW1029-X-105-LF
Trimmer, Potentiometer, 25k $\Omega$ , 25 Turn	MCWIW1029-X-253-LF
Trimmer, Potentiometer, 5k $\Omega$ , 25 Turn	MCWIW1029-X-502-LF
Trimmer, Potentiometer, 50k $\Omega$ , 25 Turn	MCWIW1029-X-503-LF
Trimmer, Potentiometer, 500k $\Omega$ , 25 Turn	MCWIW1029-X-504-LF

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2012.

