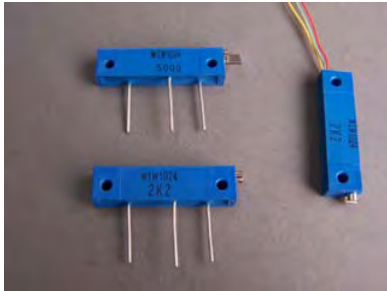


# Sharma Potentiometers

## WIW1024(3059) Trimming Potentiometer



### Features

- 1-1/4" Rectangular / Multi-turns
- Cermet / Industrial / Sealed
- Types (L,P,Y,T most popular)

### Electrical Characteristics

Standard Resistance Range  
100 to 2 meg ohms  
(see standard resistance table)

Resistance Tolerance  
± 10% std.  
(tighter tolerance available)

Absolute Minimum Resistance  
1% or 5 ohms max.  
(whichever is greater)

Contact Resistance Variation  
4% or 4 ohms max.  
(whichever is greater)

Resolution  
Infinite

Insulation Resistance  
500 vdc  
1,000 meg ohms min.

Dielectric Strength  
101.3 kPa 900 vac  
8.5 kPa 350 vac

Effective Travel  
22 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  
± 100ppm/°C

Vibration  
98 m/s<sup>2</sup>  
(1% Δ TR; 1% Δ VR)

Shock  
490 m/s<sup>2</sup>  
(1% Δ TR; 1% Δ VR)

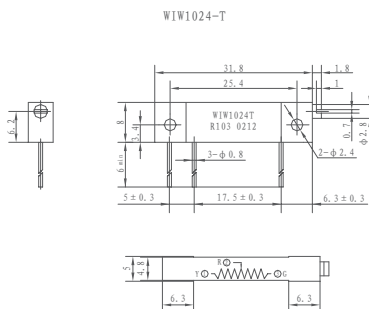
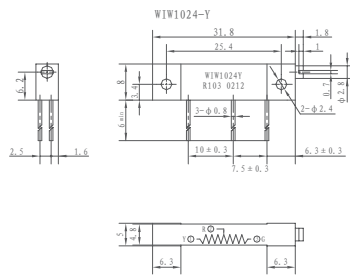
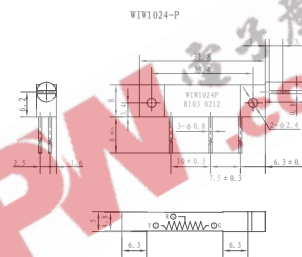
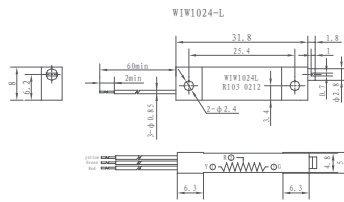
Load Life  
1,000 hours 0.5 watt @ 70°C  
(5% Δ TR; 8% or 8 ohms, Whichever is greater ,CRV)

Rotational Life  
200 cycles  
(5% Δ TR; 8% or 8 ohms, Whichever is greater ,CRV)

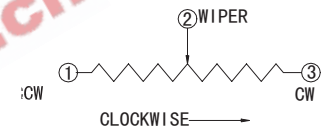
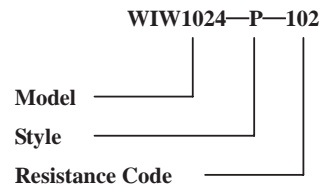
### Physical Characteristics

Mechanical Angle  
35 turns nom.

Torque  
30 mN • m max.



### How to order



### standard Resistance Table

Resistance (Ohms)	Resistance Code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

Special resistance available

Detail Specification: Q/R503-2002