

# WIW3009 Round Trimmer Potentiometer



## Features

- Single Turn
- Cermet
- Industrial / Sealed

### Electrical Characteristics

Standard Resistance Range  
100 to 2 megohms  
(see standard resistance table)  
Resistance Tolerance  
 $\pm 10\%$  std.  
(tighter tolerance is available)  
Absolute Minimum Resistance  
1% or 2 ohms max.  
(whichever is greater)  
Contact Resistance Variation  
3% or 3 ohms max.  
(whichever is greater)  
Adjustability  
Voltage  $\pm 0.05\%$   
Resistance  $\pm 0.15\%$   
Resolution  
Infinite  
Insulation Resistance  
500 Vdc  
1,000 megohms min.  
Dielectric Strength  
101.3 kPa 900 Vac  
8.5 kPa 500 Vac  
Adjustment Angle  
270° nom.

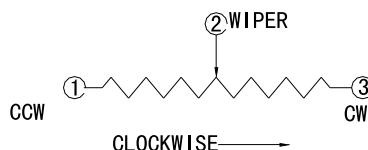
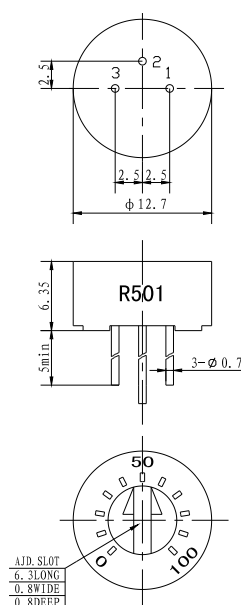
### Environmental Characteristics

Power Rating (200 volts max.)  
1 watt (70°C), 0 watt (125°C)  
Temperature Range  
-55°C to +125°C  
Temperature Coefficient  
 $\pm 250$ ppm/°C or  $\pm 100$ ppm/°C  
Vibration  
98 m/s<sup>2</sup>  
(1%  $\Delta$  TR; 1%  $\Delta$  VR)  
Shock  
490 m/s<sup>2</sup>  
(1%  $\Delta$  TR; 1%  $\Delta$  VR)  
Load Life  
1,000 hours 1 watt @ 70°C  
(3%  $\Delta$  TR; 4% or 4 ohms, Whichever is greater ,CRV)  
Rotational Life  
200 cycles  
(3%  $\Delta$  TR; 4% or 4 ohms, Whichever is greater ,CRV)

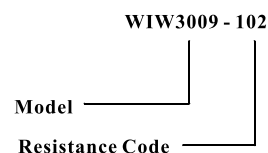
### Physical Characteristics

Mechanical Angle  
300° nom.  
Torque  
35 mN • m max.  
Stop Strength  
100 mN • m min.  
Standard Packaging  
40 pcs. per tube

### WIW3009 Dimension



### 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 is available

Detail Specification: Q/RYS01-2003