

# Sharma Potentiometers

## WIW1028 (3386) Trimmer Potentiometer



### Features

- 9mm Square Single Turn
- Cermet / Industrial / Sealed
- Available with a knob for finger adjust
- Available with extended shaft
- Top and side adjust types (F,P,H,W,X most popular)

### Electrical Characteristics

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

Resistance Tolerance  
±10% std.  
(tighter tolerance 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 ±0.05%  
Resistance ±0.15%

Resolution  
Infinite

Insulation Resistance  
500 vdc  
1,000 megohms min.

Dielectric Strength  
101.3 kPa 500 vac  
8.5 kPa 350 vac

Adjustment Angle  
260° nom.

### Environmental Characteristics

Power Rating (250 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  
390 m/s<sup>2</sup>  
(1% Δ TR; 1% Δ VR)

Load Life  
1,000 hours 0.5 watt @ 70°C  
(3% Δ TR; 1% or 1 ohms, Whichever is greater, CRV)

Rotational Life  
200 cycles  
(3% Δ TR; 1% or 1 ohms, Whichever is greater, CRV)

### Physical Characteristics

Mechanical Angle  
280° nom.

Torque  
20 mN • m max.  
50 mN • m min.

Stop Strength  
50 mN • m min.

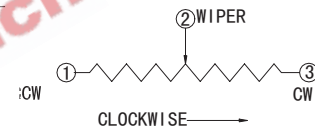
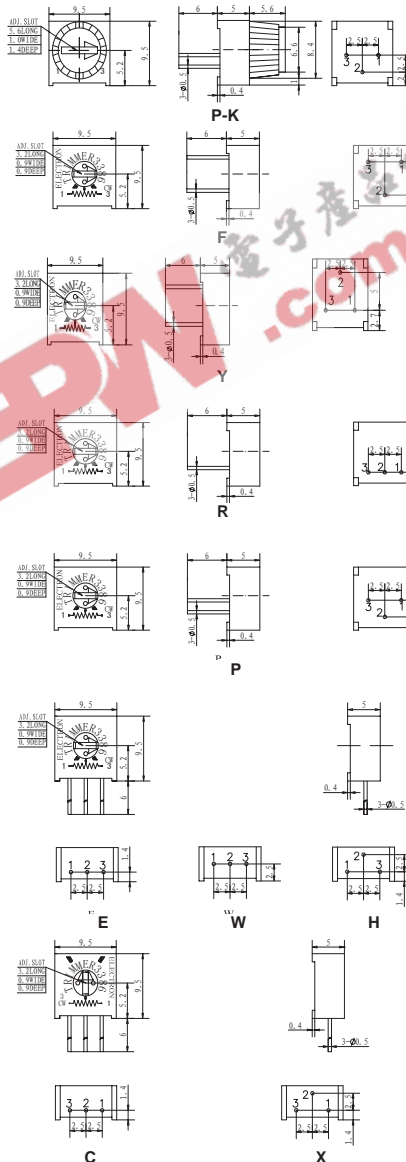
Terminals  
Solderable pins

Standard Packaging  
50 pcs. per tube

### How to order

WIW1028-P-102

Model  
Style  
Resistance Code



### 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/Ry259A-2002

Mil- Spec Detail: Q/Ry20011-97