

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/s²
(1% Δ TR; 1% Δ VR)

Shock
390 m/s²
(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.

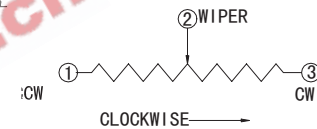
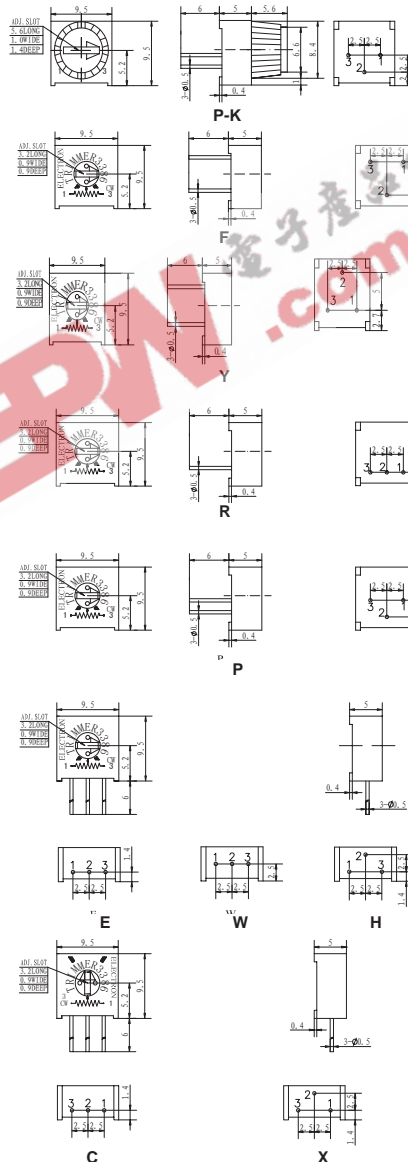
Terminals
Solderable pins

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