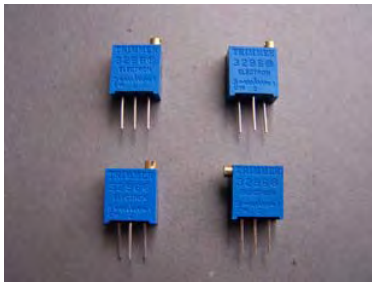


Sharma Potentiometers

WIW1029 (3296) Trimmer Potentiometer



Features

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

Electrical Characteristics

Standard Resistance Range
10 to 5 Megohms
(see standard resistance table)
Resistance Tolerance
 $\pm 10\%$ 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 $\pm 0.01\%$
Resistance $\pm 0.05\%$
Resolution: Infinite
Insulation Resistance
500 vdc
1,000 Megohms min.
Dielectric Strength
101.3 kPa 600 vac
8.5 kPa 360vac
Effective Travel: 25turns nom

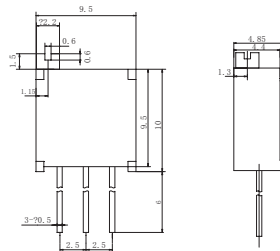
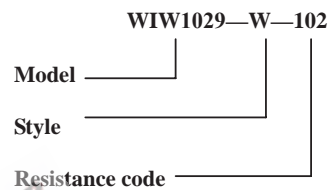
Environmental Characteristics

Power Rating (300 volts max.)
0.5 watt (70°C) , 0 watt (125°C)
Temperature Range
-55°C to +125°C
Temperature Coefficient
 $\pm 100\text{ppm}/^\circ\text{C}$
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; 4% or 4 ohm, whichever is greater , CRV)
Rotational Life: 200 cycles
(3% Δ TR; 4% or 4 ohm)

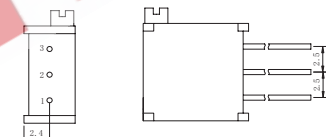
Physical Characteristics

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

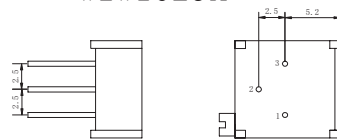
How to order



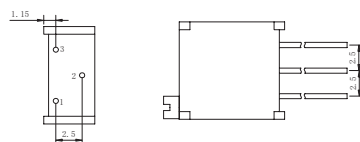
WIW1029W



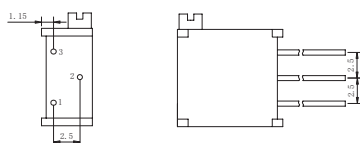
WIW1029X



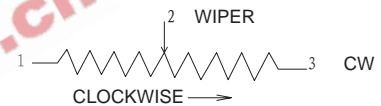
WIW1029P



WIW1029Y



WIW1029Z



Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 10 | 100 |
| 20 | 200 |
| 50 | 500 |
| 100 | 101 |
| 200 | 201 |
| 500 | 501 |
| 1000 | 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 |
| 5, 000, 000 | 505 |

Special resistance available
TCR of shaded areas $\pm 250\text{ppm}/^\circ\text{C}$
Detail Specification: Q/R Y256-2000
Detail Mil-Spec: Q/R Y20021-2000