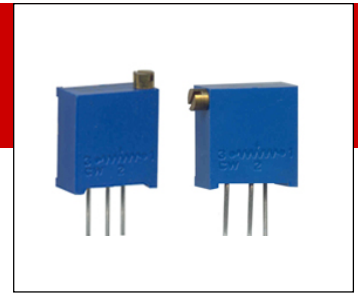


# WEL3296

## Trimmer 9mm Multi-Turn



### Features:

- 9mm Square Multi-Turn
- Cermet / Industrial / Sealed
- 5 Terminal Styles (W,X,P,Y,Z)

### Electrical Characteristics:

Standard Resistance Range:  
10 to 5 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  $\pm 0.01\%$   
Resistance  $\pm 0.05\%$

Resolution:  
Infinite

Insulation Resistance:  
500VDC  
1,000 megohms min.

Dielectric Strength:  
101.3 kPa 600VAC  
8.5 kPa 250VAC

Effective Travel:  
**25 turns nom.**

### Environmental Characteristics:

Power Rating (300V 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:  
98m/s<sup>2</sup>  
(1%  $\Delta\text{TR}$ ; 1%  $\nabla\text{VR}$ )

Shock:  
390m/s<sup>2</sup>  
(1%  $\Delta\text{TR}$ ; 1%  $\nabla\text{VR}$ )

Load Life:  
1,000 hours 0.5 watt @ 70°C  
(3%  $\Delta\text{TR}$ ; 4% or 4 ohms,  
whichever is greater, CRV)

Rotational Life:  
200 cycles  
(3%  $\Delta\text{TR}$ ; 4% or 4 ohms)

### Electrical Characteristics:

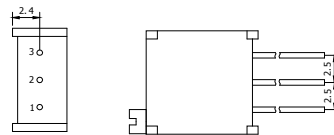
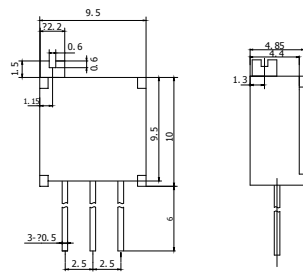
Torque:  
35mN • m max.

Mechanical Stops:  
Wiper idles

Terminals:  
Solderable pins

### Styles:

#### WEL3296-W



#### WEL3296-W

= Top Adjustment / Pitch: 2.5 in-line

#### WEL3296-X

= Side Adjustment / Pitch: 2.5 in-line

#### WEL3296-P (vertical)

= Side Adjustment / Pitch: 2.5x5

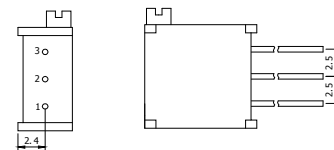
#### WEL3296-Y

= Top Adjustment / Pitch: 2.5x5

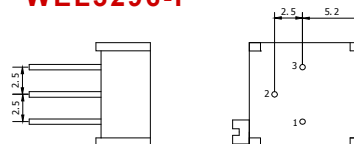
#### WEL3296-Z

= Side Adjustment / Pitch: 2.5x5

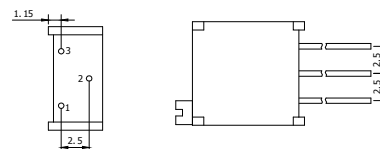
#### WEL3296-X



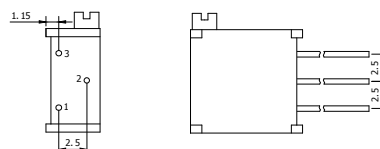
#### WEL3296-P



#### WEL3296-Y



#### WEL3296-Z



### Standard Resistance Table:

Value	Code	Value	Code
10 R	100	20 K	203
20 R	200	25 K	253
50 R	500	50 K	503
100 R	101	100 K	104
200 R	201	200 K	204
500 R	501	250 K	254
1 K	102	500 K	504
2 K	202	1 M	105
5 K	502	2 M	205
10 K	103	5 M	505

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

### How To Order:

#### WEL3296-W-102-LF

Model

Style

Resistance Code

RoHS Compliant Type

Standard Packaging:  
50pcs per tube