

## Features

- 3mm Square Surface Mount
- Single turn / Cermet / Industrial / Sealed
- Compatible with surface mount manufacturing processes
- Compatible with popular vacuum pick-and-place equipment

## WIBC1803(3313)–Trimmer™ 3mm Square SMD Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range  
50 to 2M ohms  
(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)

Resolution  
Essentially Infinite

Insulation Resistance  
500V DC  
 $R \geq 1G$  ohms

Dielectric Strength  
101.3 kPa 500 vac  
8.5 kPa 200 vac

Effective Travel  
220° nom.

### Environmental Characteristics

Power Rating (200 volts max.)  
0.25 watt (70°C), 0 watt (125°C)

Temperature Range  
-55°C to +125°C

Temperature Coefficient  
±250 × 10<sup>-6</sup>/°C

Vibration  
0Hz~2000Hz, 0.75mm or 98 m/s<sup>2</sup>, 6h,  
 $\Delta R \leq \pm 1\%R$ ,  $\Delta(Uab/ Uac) \leq \pm 2\%$

Shock  
490 m/s<sup>2</sup> 4000 times  
( $\Delta R \leq \pm 1\%R$ )

Climatic Category  
 $\Delta R \leq \pm 3\%R$ ,  $R1 \geq 100M \Omega$

70°electrical endurance  
1,000 hours, 0.5 watt @ 70°C  
 $\Delta R \leq \pm 3\%R$

Rotational Life  
200 cycles,  $\Delta R \leq \pm 3\%R$

Steady damp heat  
 $\Delta R \leq \pm 3\%R$ ,  $R1 \geq 100M \Omega$

### Physical Characteristics

Mechanical Angle  
250° nom.

Starting Torque  
≥10 mN · m

Stop Strength  
≥25 mN · m

Standard packaging  
1000pcs per reel

### How to order

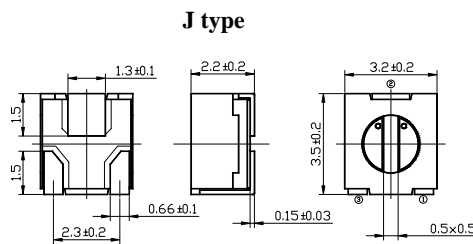
WIBC1803—J—102—LF

Model \_\_\_\_\_

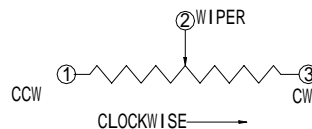
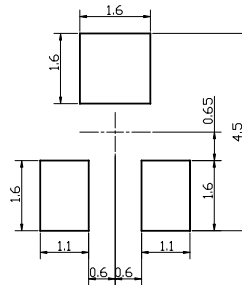
Style \_\_\_\_\_

Resistance Code \_\_\_\_\_

RoHS compliance \_\_\_\_\_



### PAD dimension



### Standard Resistance Table

Resistance (Ohms)	Resistance Code
50	500
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/RYS78-2014