

WIBC1801 (3224)



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



WIBC1801(3224)-Trimmer ①

4mm Square SMD Trimming potentiometer

Features

Surface Mount 4mm Square/ Multiturn

Cermet / Industrial / Sealed

Pick and place centering design , with flush adjustment

Electrical Characteristics

Standard Resistance Range: 10 to 1 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)

Resolution: Essentially Infinite

Insulation Resistance(500 vdc): 1,000 megohms min.

Dielectric Strength: 101.3 kPa 600 vac 8.5 kPa 250 vac

Effective Travel: 11 turns 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: $\pm 100\text{ppm}/^\circ\text{C}$

Vibration: 98 m/s^2 (1% Δ TR, 1% Δ VR)

Shock: 490 m/s^2 (1% Δ TR, 1% Δ VR)

Load Life: 1,000 hours 0.25 watt @ 70°C
(3% Δ TR, 3% or 3 ohm, whichever is greater, CRV)

Rotational Life: 200 cycles
(3% Δ TR, 3% or 3 ohm, whichever is greater, CRV)

Thermal Shock: 5 cycles(2% Δ TR, 1% Δ VR)

Physical Characteristics

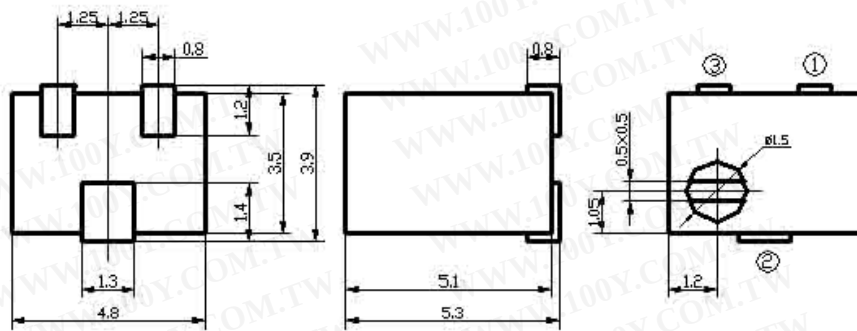
Torque: 25 mN • m max

Mechanical Stops: Wiper idles

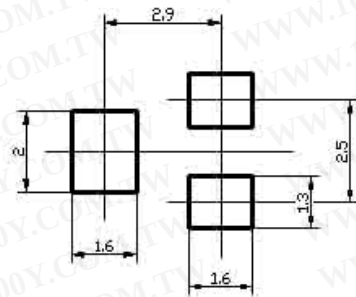
Wiper: Set at 50% nominal

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WIBC1801 (3224) -W DIMENSIONS

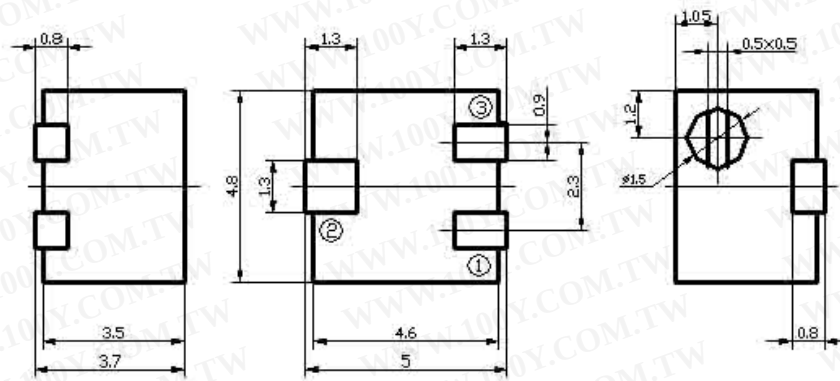


RECOMMENDED PCB LAYOUT

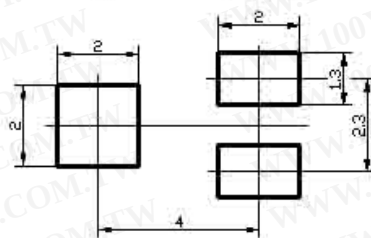


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WIBC1801 (3224) -J DIMENSIONS



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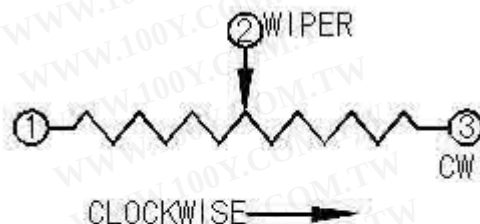
How to order

WIBC1801-W-102

Model

Style

Resistance Code



Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
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

Special resistance available

TCR in shaded areas $\leq \pm 250 \text{ ppm}/^\circ\text{C}$

Detail Specification: Q/R Y515-2003

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