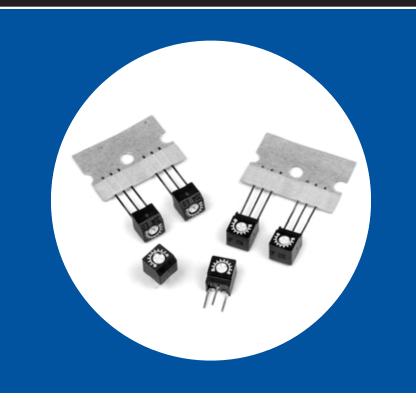


# **Series 306 Technical** Data

# Commercial miniature 6 mm square cermet trimmer potentiometer

- Easy and stable adjustment
- Auto solder, ultrasonic cleaning, immersion cleaning available
- · Variety of terminal pitches
- Cross-slot knob for ease of adjustment
- · Auto insertion with radial taping



# **Electrical and Mechanical Specifications**

#### Taper

Linear

#### **Resistance Range**

10 ohms to 2 megohms (See Resistance Code Table)

Resistance Tolerance ± 20%

#### **Residual Resistance**

Less than 1% of the total resistance or 3 ohms, whichever is greater

Power Rating 0.5 watt at 70°C, 0 watts at 125°C

Maximum Working Voltage 200 V or  $\sqrt{PR}$  = whichever is less

Temperature Range -55°C ~ +125°C Temperature Coefficient ±100 ppm/°C (except 10 ohms ≈+200 ppm/°C)

#### Noise (Contact Resistance Variation)

Less than 3% of total resistance or 3 ohms, whichever is greater

Insulation Resistance DC 500 V, 1000 megohms, minimum

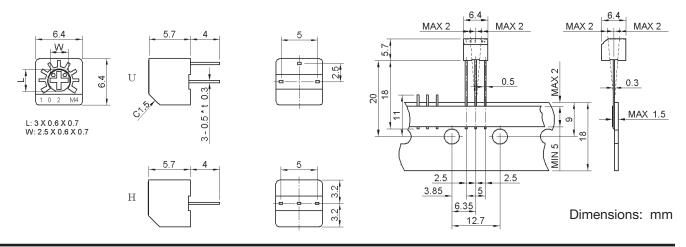
Dielectric Strength AC 500 V 1 minute

Rotation Angle  $250^{\circ} \pm 10^{\circ}$ 

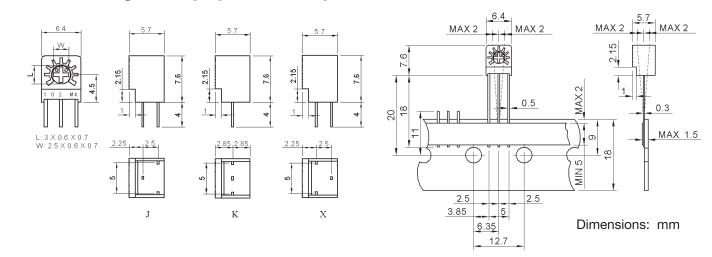
Operation Torque 20 mN•m, maximum

Stop Strength 50 mN•m, maximum

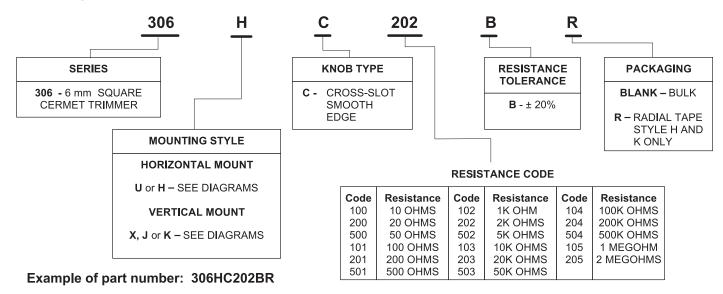
#### Horizontal mounting - Knob parallel to printed circuit board



Vertical Mounting - Knob perpendicular to printed circuit board



## **Ordering Information**



### **Order From:**

CTS CORPORATION, RESISTOR / ELECTROCOMPONENTS / 406 Parr Road / Berne, IN 46711 PHONE: (260) 589-3111 / FAX: (260) 589-3243 http://www.ctscorp.com CTS COMPONENTS TAIWAN, LTD. / 7, Central 6<sup>th</sup> Road (Chung Liu Road) / P.O. Box 26-20 Kaohsiung Export Processing Zone / Kaohsiung, Taiwan, Republic of China PHONE: (07) 8216145 / FAX: 8417642.8110040