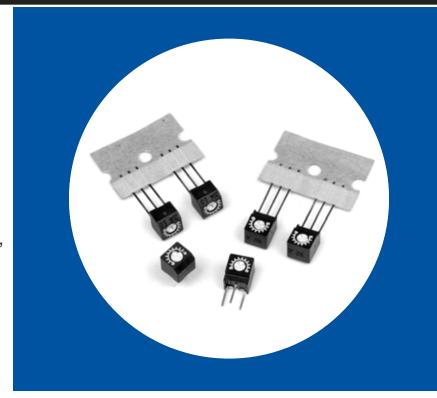


# Series 306 Technical Data

# 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° ± 10°

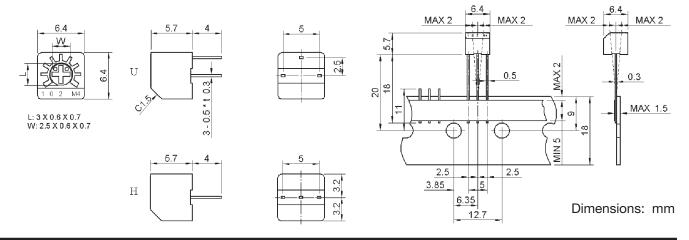
### **Operation Torque**

20 mN·m, maximum

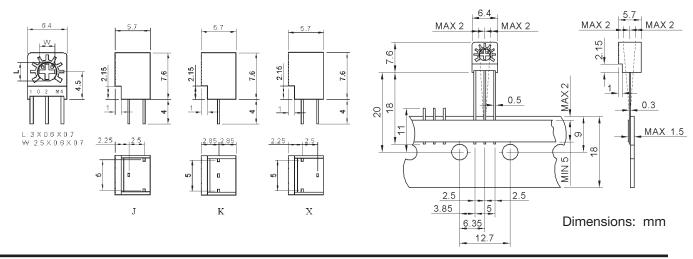
### **Stop Strength**

50 mN·m, maximum

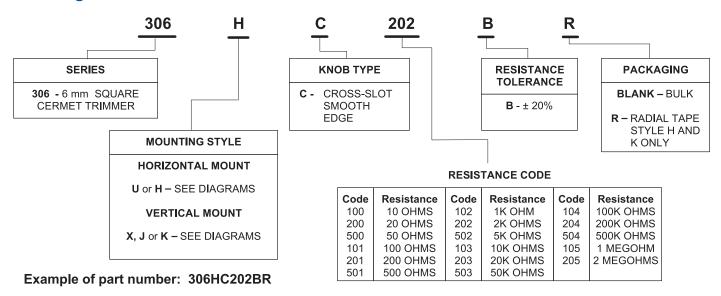
### Horizontal mounting - Knob parallel to printed circuit board



### 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 6th Road (Chung Liu Road) / P.O. Box 26-20

Kaohsiung Export Processing Zone / Kaohsiung, Taiwan, Republic of China

PHONE: (07) 8216145 / FAX: 8417642.8110040