

- Single-Turn / Cermet / Industrial / Sealed
- Top and side adjust types (F,P,H,W,X most popular)

## CE10ST Series Square Trimming Potentiometer

### Electrical Characteristics

#### Standard Resistance Range

..... 100 to 2 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)

#### Adjustability

..... Voltage  $\pm 0.05\%$   
Resistance  $\pm 0.15\%$

#### Resolution

..... Infinite

#### Insulation Resistance

..... 500 Vdc 1,000 megohms min.

#### Dielectric Strength

..... 101.3 kPa 500 Vac  
8.5 kPa 350 Vac

#### Adjustment Angle

.....  $260^\circ$  nom.

### Environmental Characteristics

#### Power Rating (250 volts max.)

..... 0.5 watt ( $70^\circ\text{C}$ ), 0 watt ( $125^\circ\text{C}$ )

#### Temperature Range

.....  $-55^\circ\text{C}$  to  $-125^\circ\text{C}$

#### Temperature Coefficient

.....  $\pm 100\text{ppm}/^\circ\text{C}$

#### Vibration

.....  $98\text{ m/s}^2$   
(1%  $\Delta$  TR; 1%  $\Delta$  VR)

#### Shock

.....  $390\text{ m/s}^2$   
(1%  $\Delta$  TR; 1%  $\Delta$  VR)

#### Load Life

..... 1,000 hours 0.5 watt @  $70^\circ\text{C}$   
(3%  $\Delta$  TR; 4% or 4 ohms,  
Whichever is greater, CRV)

#### Rotational Life

..... 200 cycles  
(3%  $\Delta$  TR; 4% or 4 ohms,  
Whichever is greater, CRV)

### Physical Characteristics

#### Mechanical Angle

.....  $280^\circ$  nom.

#### Torque

..... 20 mN  $\cdot$  m max.

#### Stop Strength

..... 50 mN  $\cdot$  m min.

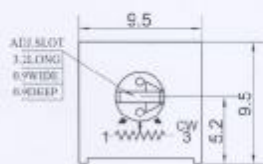
#### Terminals

..... Solderable pins

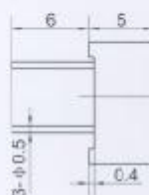
#### Standard Packaging

..... 50 pcs. per tube

### Common Dimensions Top Adjust



CE10ST-F



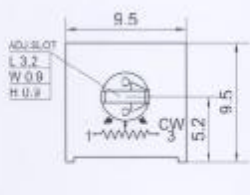
CE10ST-Y



CE10ST-R

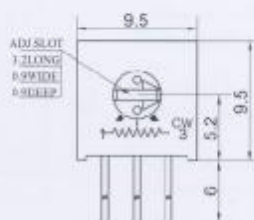


CE10ST-P

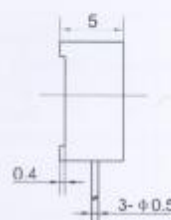


CE10ST-U

### Common Dimensions Side Adjust



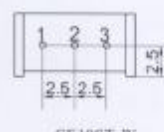
CE10ST-C



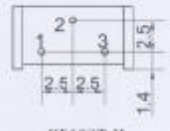
CE10ST-W



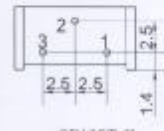
CE10ST-H



CE10ST-X



CE10ST-B



CE10ST-S

### How to order

CE10ST-P-102

Model  
Style  
Resistance Code

