AVAILABLE THROUGH DISTRIBUTION

BOURNS®

TC86
6 mm Round Trimming Potentiometer

Features

- 6 mm Round / Single-Turn / Cermet Industrial / Open Frame
- Cross slot adjustment options
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- Front and top adjust styles
- RoHS compliant[1]

Electrical Characteristics

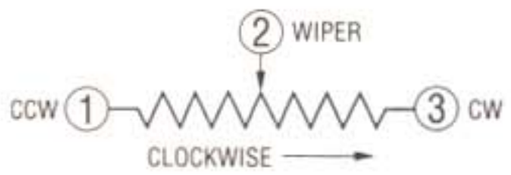
Standard Resistance Range
.....100 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance .....±20 % std.
(tighter tolerance available)
Absolute Minimum Resistance
≤ 500 Ohms .....10 ohms max.
> 500 Ohms .....2 % max. of TR
Contact Resistance Variation .....5 % max.
Resolution.....Infinite
Adjustment Angle .....240 ° ±20 °

Environmental Characteristics

Power Rating (100 VDC max.)
70 °C .....0.3 watt
Temperature Range.....-30 °C to +85 °C
Temperature Coefficient .....±250 ppm/°C
Humidity .....95 % RH
TRS ±5 %
Load Life .....500 hours @ 70 °C
TRS ±5 %
Rotational Cycling.....50 cycles
TRS ±10 %

Physical Characteristics

Torque .....30-300 gf-cm
Mechanical Angle .....240 ° ±20 °
Marking.....Part marking code
Standard Packaging .....200 pcs./bag
Adjustment Tool H-90
Aqueous cleaning not recommended

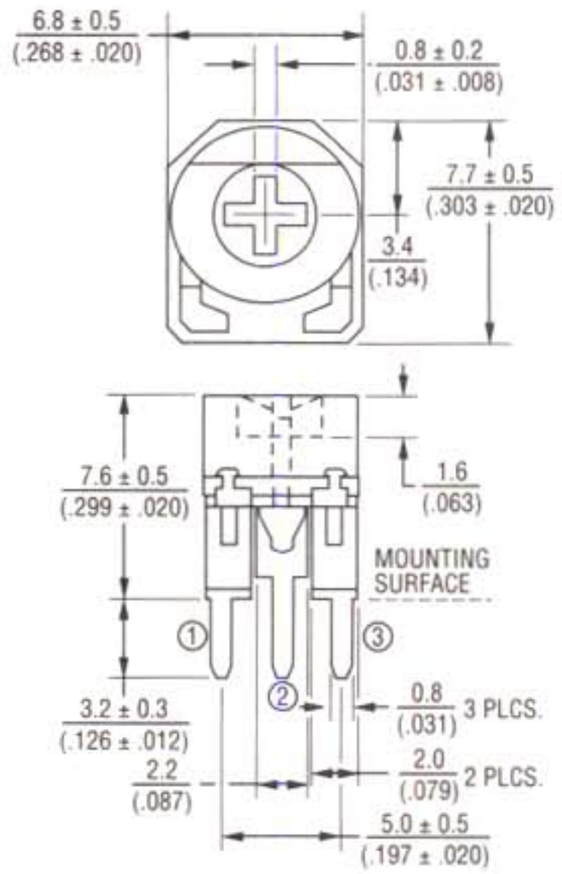


OBSOLETE

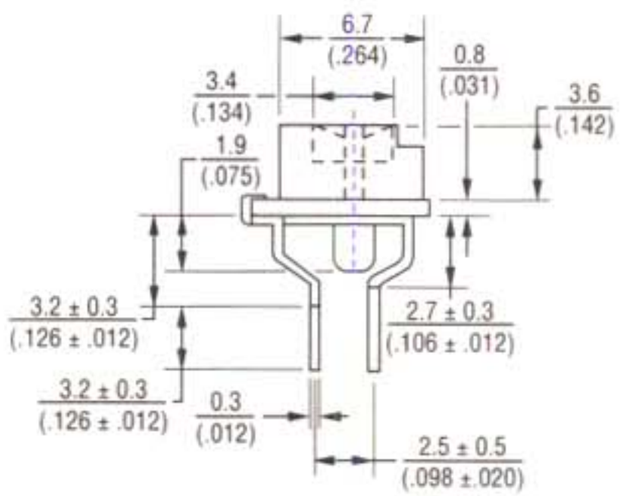
Specifications are subject to change without notice.
[1]RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
Customers should verify actual device performance in their specific applications. REV 09/04

Product Dimensions

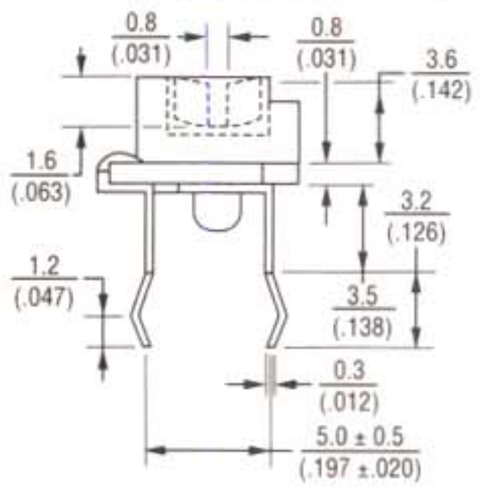
Top Adjust
Common Dimensions



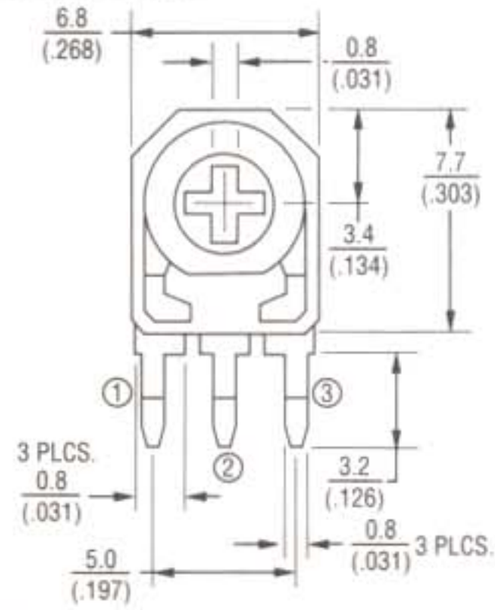
TC86P



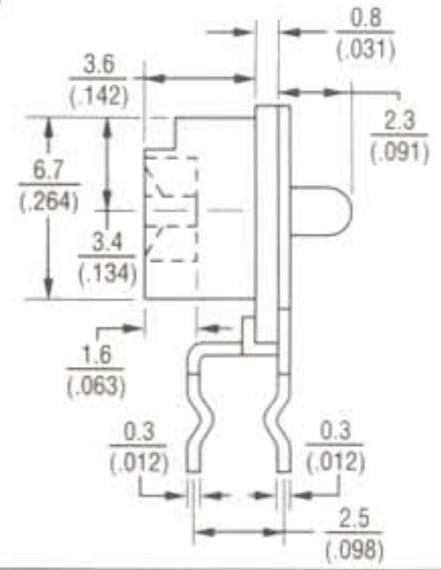
TC86F



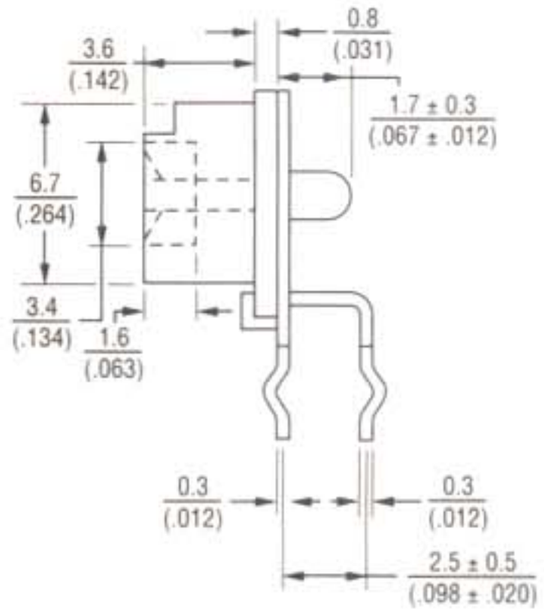
Side Adjust
Common Dimensions



TC86W



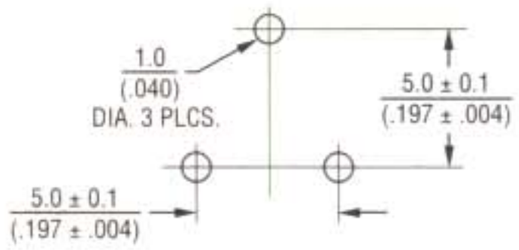
TC86K



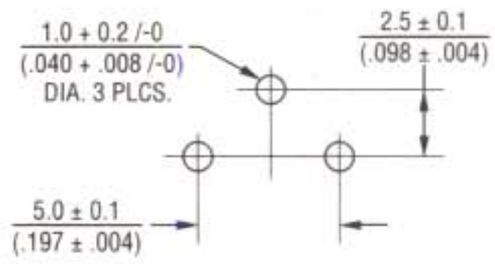
DIMENSIONS: MM/(INCHES)
TOLERANCES: ±.25/(±.010) EXCEPT WHERE NOTED

TC86 – *Suggested PCB Layout and Ordering Information*

Suggested PCB Layout – Style F



Suggested PCB Layout – Styles K, P, W



OBSOLETE

Standard Resistance Table

Resistance (Ohms)	Resistance Code
100	**101**
200	**201**
500	**501**
1,000	**102**
2,000	**202**
5,000	**502**
10,000	**103**
20,000	**203**
50,000	**503**
100,000	**104**
200,000	204
500,000	504
1,000,000	105

*Popular distribution resistance values listed in **boldface**.*

How To Order

TC86 W - 1 - 103

Model
Style
Standard Product Indicator
Resistance Code

Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.