

Features

- High temperature plastic rotor
- Recommended for reflow processing
- Rotor design compatible with pick and place and automatic adjustment equipment
- Supplied in 8 mm embossed tape, compatible with automatic assembly equipment



Models TC03 is currently available, although not recommended for new designs. **Model TC33** is preferred.

- Cermet element
- RoHS compliant* - see [processing information](#) on lead free surface mount trimmers

TC03 - Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range 100 to 1 megohm
 (see standard resistance table)
 Resistance Tolerance ±25 % std.
 Absolute Minimum Resistance
 ≤ 1K Ohms 20 ohms max.
 > 1K Ohms 2 % max. of TR
 Contact Resistance Variation
 5 % max.
 Resolution Infinite
 Adjustment Angle 270 ° ±20 °

Environmental Characteristics

Power Rating (50 VDC max.)
 70 °C 0.10 watt
 Temperature Range -40 °C to +85 °C
 Temperature Coefficient ... ±250 ppm/°C
 Humidity 95 %RH
 500 hours
 TRS max. ±5 %
 Load Life
@ 70 °C rated power 500 hours
 TRS ±5 %
 Rotational Cycling 20 turns
 TRS ±15 %

Physical Characteristics

Torque 20-200 g-cm max.
 Mechanical Angle Continuous
 Marking Part marking code
 Standard Packaging
 2000 pcs./7" reel
 Adjustment Tool H-90

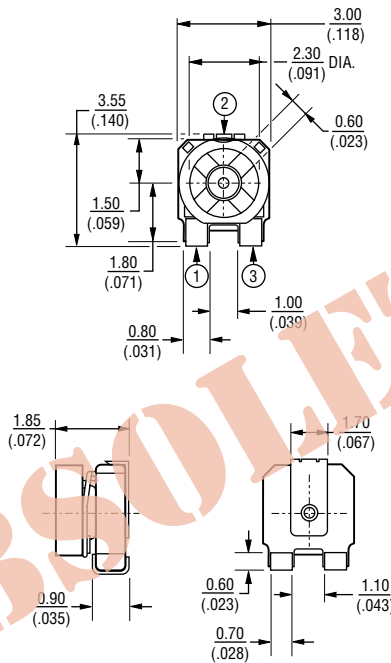
How To Order

TC03 X - 2 - 103 E

Model _____
 Style _____
 Orientation of Parts
 In Tape:
 Style X: Terminals Away
 From Sprocket Holes
 Standard or Modified
 Product Indicator
 -2 = Cross Slot Rotor (Std. Product)
 Resistance Code _____
 Embossed Tape Designator _____
 Consult factory for other available options.

Product Dimensions

TC03X-2
3mm Open Frame
for Reflow Soldering
3-Terminal

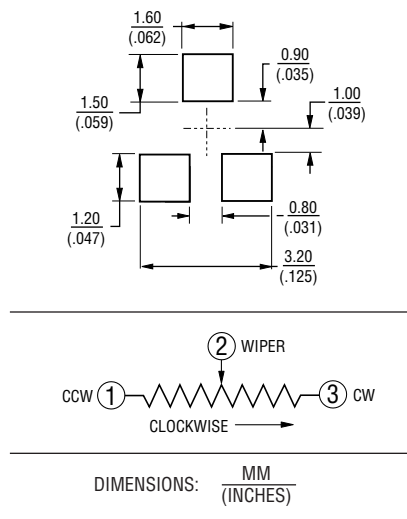


Standard Resistance Table

Resistance (Ohms)	Part Marking Code	Resistance Code
100	12	101
200	22	201
500	52	501
1,000	13	102
2,000	23	202
5,000	53	502
10,000	14	103
20,000	24	203
50,000	54	503
100,000	15	104
200,000	25	204
500,000	55	504
1,000,000	16	105

Popular distribution resistance values listed in boldface. Special resistances available.

SUGGESTED PWB LAYOUT



REV. 10/09

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 "Trimpot" is a registered trademark of Bourns, Inc.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.