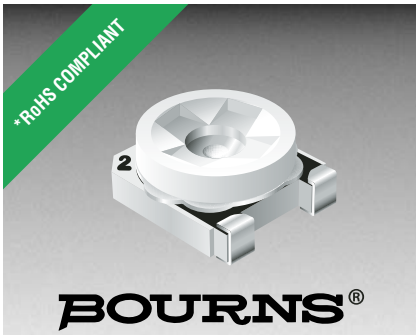




Features

- 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



Model TC03 is currently available, although not recommended for new designs. Models **TC33** & **TC43** are preferred.

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

TC03 - Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range100 to 1 megohm
(see standard resistance table)
Resistance Tolerance±25 % std.
Absolute Minimum Resistance
≤ 1K Ohms.....20 ohms max.
>1K Ohms2 % max. of TR
Contact Resistance Variation
.....5 % max.
Resolution.....Infinite
Adjustment Angle.....270 ° ±20 °

Environmental Characteristics

Power Rating (50 VDC max.)
70 °C0.10 watt
Temperature Range.....-40 °C to +85 °C
Temperature Coefficient±250 ppm/°C
Humidity95 %RH
500 hours
TRS max.±5 %
Load Life
.....@ 70 °C rated power 500 hours
TRS ±5 %
Rotational Cycling.....20 turns
TRS ±15 %

Physical Characteristics

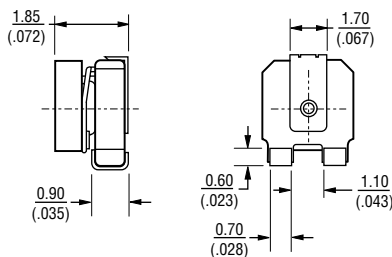
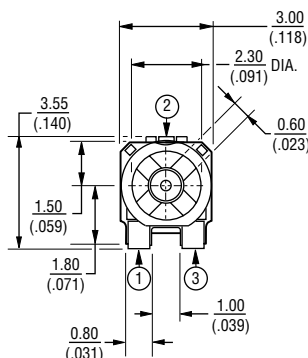
Torque.....20-200 g-cm max.
Mechanical AngleContinuous
Marking.....Part marking code
Standard Packaging
.....2000 pcs./7 " reel
Adjustment ToolH-90

How To Order

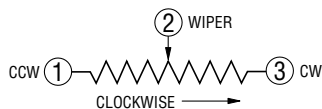
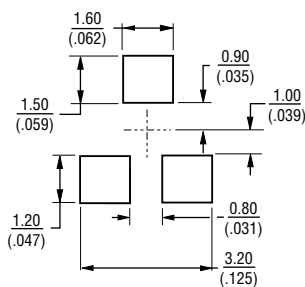
TC03 X - 2 - 103 E

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.

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



SUGGESTED PWB LAYOUT



DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

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.

Mouser Electronics

Authorized Distributor

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Bourns:

[TC03X-2-204E](#) [TC03X-2-302E](#) [TC03X-2-202E](#) [TC03X-2-203E](#) [TC03X-2-201E](#) [TC03X-2-502E](#) [TC03X-2-503E](#)
[TC03X-2-501E](#) [TC03X-2-504E](#) [TC03X-2-101E](#) [TC03X-2-105E](#) [TC03X-2-103E](#) [TC03X-2-104E](#) [TC03X-2-102E](#)