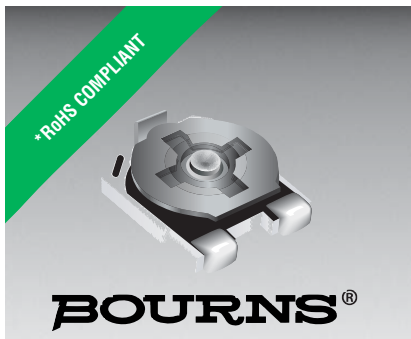




Features

- Recommended for reflow soldering
- Rotor design compatible with pick and place and automatic adjustment equipment
- 3 mm size meets EIA/EIAJ standard trimmer footprint
- RoHS compliant*



Model TC43 is obsolete, and not recommended for new designs. Model TC33 is preferred.

TC43 - 3 mm SMD Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
.....100 ohms to 1 megohm
(see standard resistance table)

Resistance Tolerance $\pm 25\%$ std.

Absolute Minimum Resistance
 $\leq 1\text{K Ohms}$ 20 ohms max.
 $> 1\text{K Ohms}$ 2 % max. of TR

Contact Resistance Variation .. 5 % max.

Resolution Essentially infinite

Adjustment Angle $260^\circ \pm 20^\circ$

Environmental Characteristics

Power Rating (50 VDC max.)
70 °C 0.15 watt

Temperature Range ... -40 °C to +100 °C

Temperature Coefficient ... ± 250 ppm/°C

Humidity 95 % RH

TRS Max. $\pm 5\%$

Load Life ... @70 °C rated power 1000 hrs.
TRS $\pm 5\%$

Rotational Cycling 20 cycles
TRS $\pm 10\%$

Physical Characteristics

Torque 0.98 - 11.76 mN-m max.

Mechanical Angle $270^\circ \pm 20^\circ$

Marking Part marking code

Standard Packaging ... 2500 pcs./7" reel

Adjustment Tool H-90

How To Order

TC43 X - 2 - 103 E

Model _____

Style _____

Standard Product Indicator
-2 = Cross Slot Rotor

Resistance Code _____

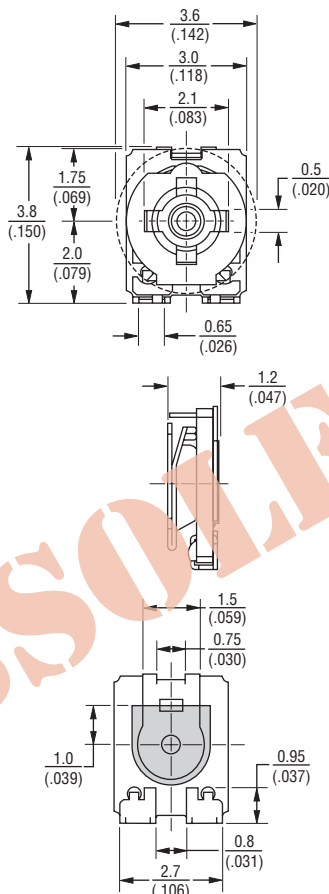
Embossed Tape Designator
E = 2500 pcs./7" Reel (Standard)

Standard Resistance Table

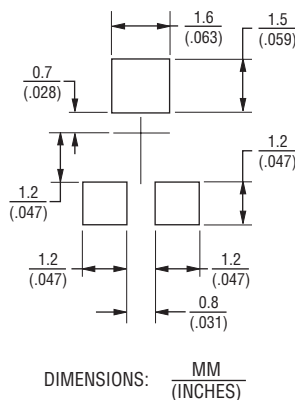
Resistance (Ohms)	Resistance Code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

Popular distribution values listed in boldface.

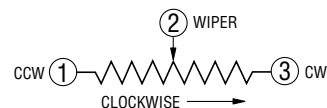
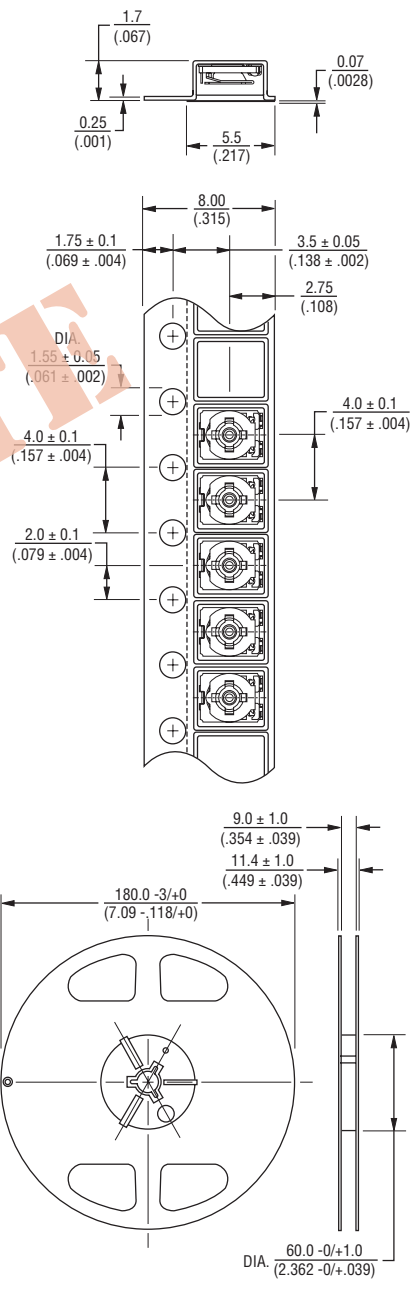
Product Dimensions



Recommended Land Pattern



Packaging Specifications



*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[TC43X-2-102E](#) [TC43X-2-103E](#) [TC43X-2-203E](#) [TC43X-2-501E](#) [TC43X-2-502E](#) [TC43X-2-202E](#) [TC43X-2-204E](#)
[TC43X-2-104E](#) [TC43X-2-503E](#) [TC43X-2-504E](#) [TC43X-2-101E](#) [TC43X-2-201E](#) [TC43X-2-105E](#)