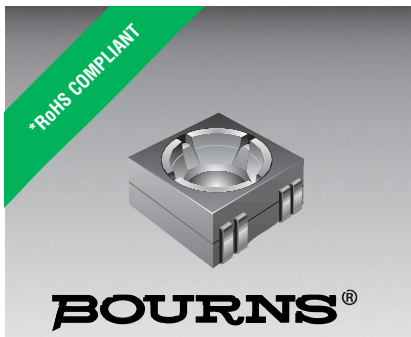




## Features

- 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
- Carbon element



Model TC73 is currently available, although not recommended for new designs. **Model TC33** is preferred.

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

## TC73 - Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range ..... 500 to 1 megohm  
(see standard resistance table)  
Resistance Tolerance .....  $\pm 30\%$  std.  
Absolute Minimum Resistance  
≤ 1K Ohms ..... 20 ohms max.  
> 1K Ohms ..... 2 % max. of TR  
Contact Resistance Variation  
..... 5 % max.  
Resolution ..... Infinite  
Adjustment Angle .....  $260^\circ \pm 20^\circ (-2)$

### Environmental Characteristics

Power Rating (50 VDC max.)  
50 °C ..... 0.05 watt  
Temperature Range ..... -25 °C to +85 °C  
Temperature Coefficient ...  $\pm 250$  ppm/°C  
Humidity ..... 95 %RH  
500 hours  
TRS max. .... +15 % to -2 %  
Load Life  
..... @ 50 °C rated power 500 hours  
TRS  $\pm 5\%$   
Rotational Cycling ..... 20 turns  
TRS  $\pm 20\%$

### Physical Characteristics

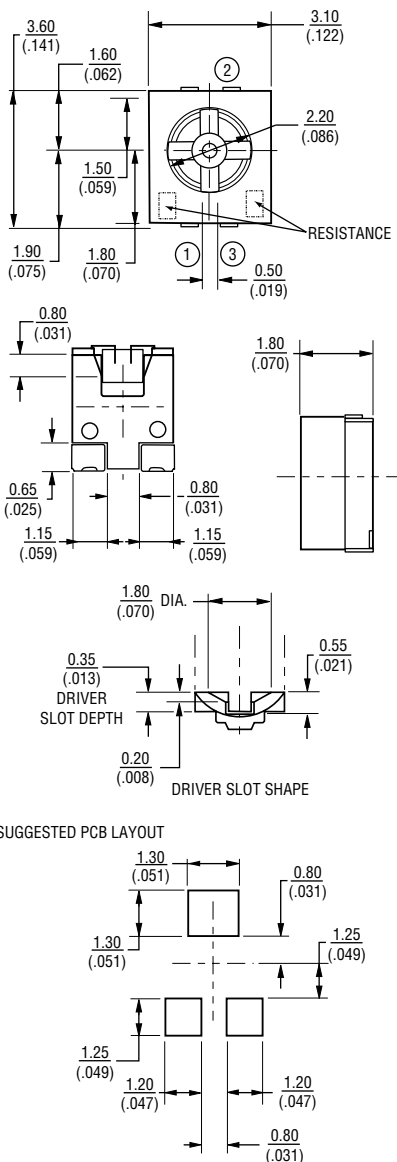
Torque ..... 10-150 g-cm max.  
Mechanical Angle  
-1 .....  $260^\circ \pm 20^\circ$   
-2 ..... Continuous  
Electrical Angle  
Both .....  $260^\circ$  nom.  
Marking ..... Part marking code  
Standard Packaging  
..... 2000 pcs./7 " reel

### Soldering Process

Hand Soldering... Soldering Iron of 20 W  
or less controlled at 280 °C for about  
3 sec. while applying solder  
Reflow Soldering ..... Peak temperature  
or reflow oven should be  
set to 240 °C max.

### Product Dimensions

TC73X/W-2



### How To Order

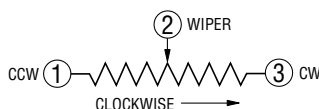
TC73 X - 1 - 103 E

Model \_\_\_\_\_  
Style \_\_\_\_\_  
Orientation of Parts In Tape:  
Style X: Terminals Away  
From Sprocket Holes  
Style W: Terminals in direction  
to sprocket holes  
(preferred)  
Standard or Modified  
Product Indicator \_\_\_\_\_  
1 = Mechanical rotation stop  
(preferred)  
2 = Continuous  
Resistance Code \_\_\_\_\_  
Embossed Tape Designator \_\_\_\_\_  
E = 2000 pcs. per reel, 8 mm tape  
Consult factory for other available options.

### Standard Resistance Table

| Resistance (Ohms) | Part Marking Code | Resistance Code |
|-------------------|-------------------|-----------------|
| 500               | 52                | 501             |
| <b>1,000</b>      | <b>13</b>         | <b>102</b>      |
| <b>2,000</b>      | <b>23</b>         | <b>202</b>      |
| <b>5,000</b>      | <b>53</b>         | <b>502</b>      |
| <b>10,000</b>     | <b>14</b>         | <b>103</b>      |
| <b>20,000</b>     | <b>24</b>         | <b>203</b>      |
| 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.



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