

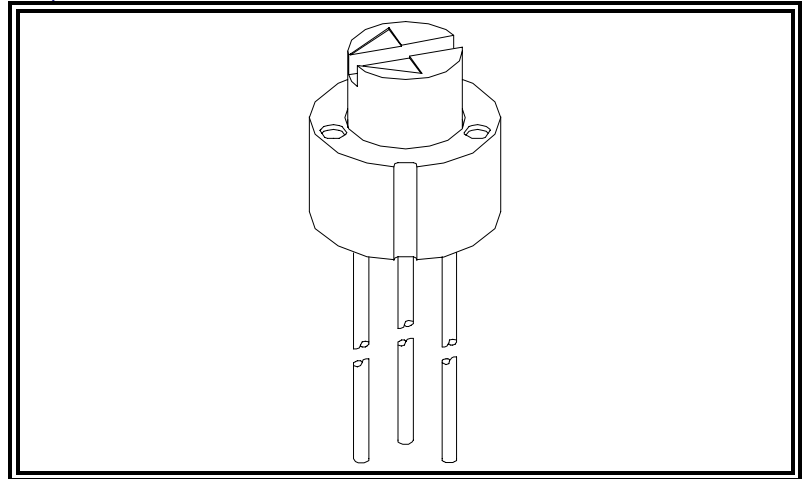


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PRODUCT DATA SHEET

TRIMMER MODEL 37



- NOTES: 1. All dimensions are in standard inches; metric in []
 2. Unless specified dimensions are ± 0.003 [0.08], angles $\pm 5^\circ$
 3. C81, C82, C83, C84, C85, C86, C87, C88 taper curves: Less than 15% of the actual overall resistance value.

PRODUCT SPECIFICATIONS

MECHANICAL DATA

Operational Torque	0.02 to 0.30 IN OZ
.....	1.0 IN OZ min
Stop Guide Torque	
.....	220° Nominal
Rotational Angle	
Mechanical	
Electrical	220° Nominal
Soldering	
Temperature	350°C max
Dwell Time	2 sec max
Lead Wires	0.5 LB direct pull max
Rotor Push Force	2 LB max

MATERIALS DATA

Potentiometer Lead Wires ... (Insulated Lead Wires Optional at additional cost)	Nickel Silver
Wiper	Silver-Plated Beryllium Copper
Knob	Thermoplastic
Base	Thermoplastic
Resistor Substrate	Epoxy Multilayer Laminate
Resistor Element	Conductive Plastic Thick Film

ELECTRICAL DATA

Potentiometer	
Overall Resistance	Nominal Value $\pm 20\%$
Wattage Rating	80 Milliwatts
Contact Resistance	Less than 12% of actual overall Resistance Value (see Note 3.)

ENVIRONMENTAL DATA

Operational Temperature	
Range	-25°C to + 55°C
.....	
Storage Temperature	
Range	-40°C to + 60°C
.....	
Operational Life	1000 rotational cycles at max electrical rating

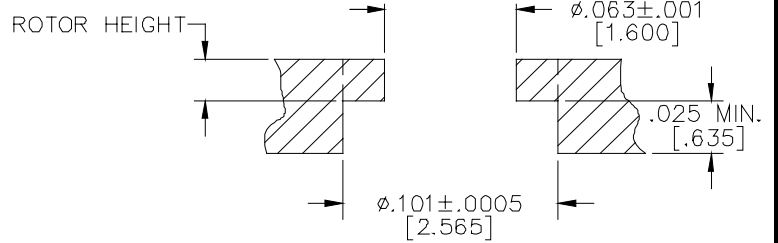
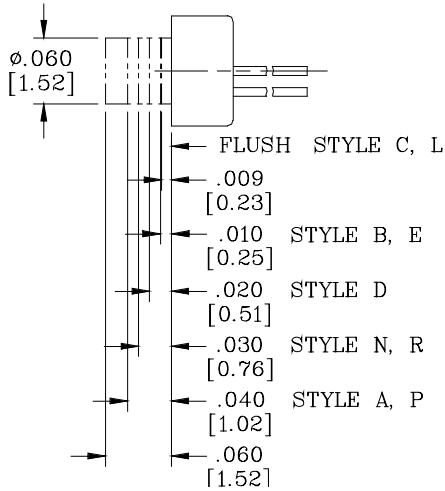
RTI reserves the right to make changes at any time to improve reliability, function, or design in order to provide the best possible product.

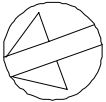



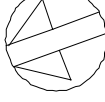
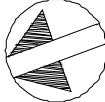
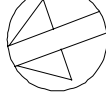

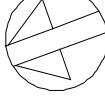

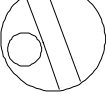
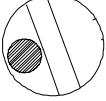
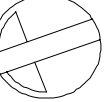
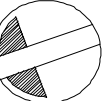
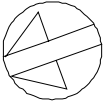

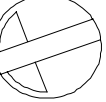
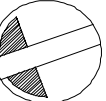


MODEL 37 PRODUCT DATA SHEET

ROTORS

(Note: All rotors are shown at beginning of electrical rotation (0° cw rotation))

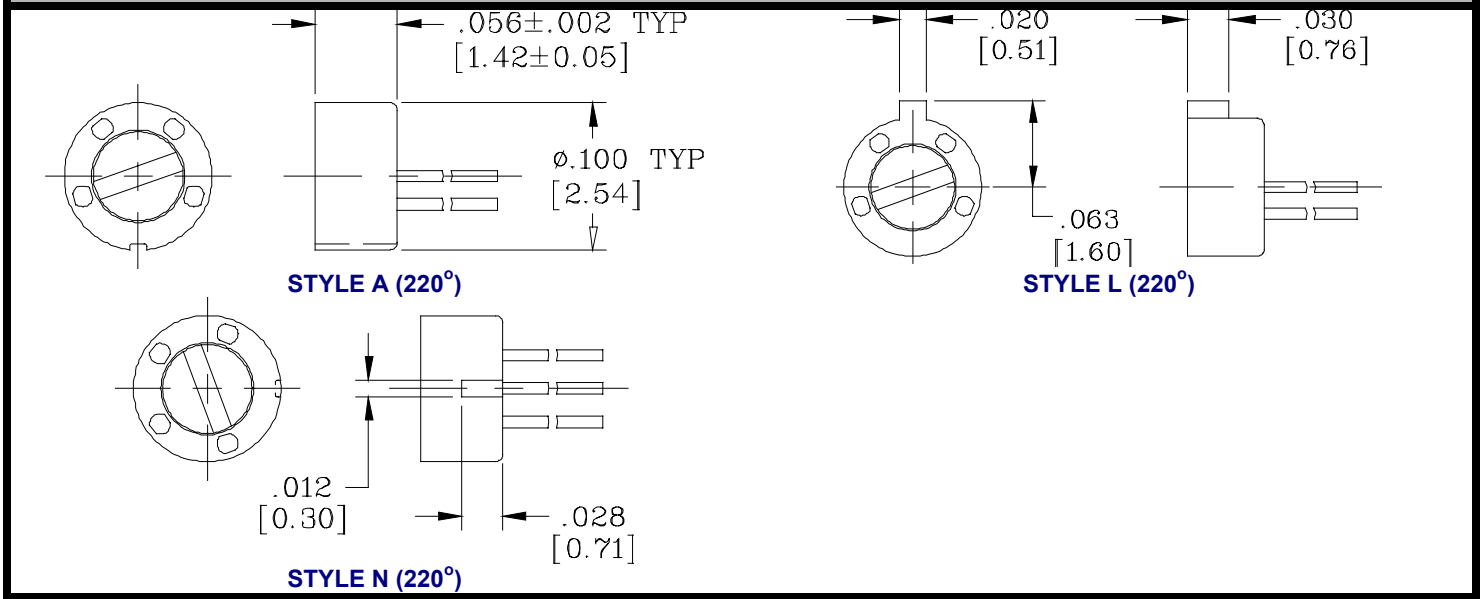


<p>.040 HIGH RECESSED ARROW .012 DP SLOT</p>   <p>INK OPTION 1 STYLE A</p>	<p>.010 HIGH RECESSED ARROW .008 DP SLOT</p>   <p>INK OPTION 1 STYLE B</p>	<p>FLUSH RECESSED ARROW .012 DP SLOT</p>   <p>INK OPTION 1 STYLE C</p>	<p>.020 HIGH RECESSED ARROW .012 DP SLOT</p>   <p>INK OPTION 1 STYLE D</p>	<p>.010 HIGH RECESSED ARROW .010 DP SLOT</p>   <p>INK OPTION 1 STYLE E</p>
<p>FLUSH .007 DP SLOT</p>   <p>INK OPTION 1 STYLE L</p>	<p>.030 HIGH RECESSED ARROW .010 DP SLOT</p>   <p>INK OPTION 1 STYLE N</p>	<p>.040 HIGH RECESSED ARROW .012 DP SLOT .008 DP ARROW HEAD</p>   <p>INK OPTION 1 STYLE P</p>	<p>.030 HIGH RECESSED ARROW .010 DP SLOT .008 DP ARROW HEAD</p>   <p>INK OPTION 1 STYLE R</p>	



MODEL 37 PRODUCT DATA SHEET

HOUSINGS



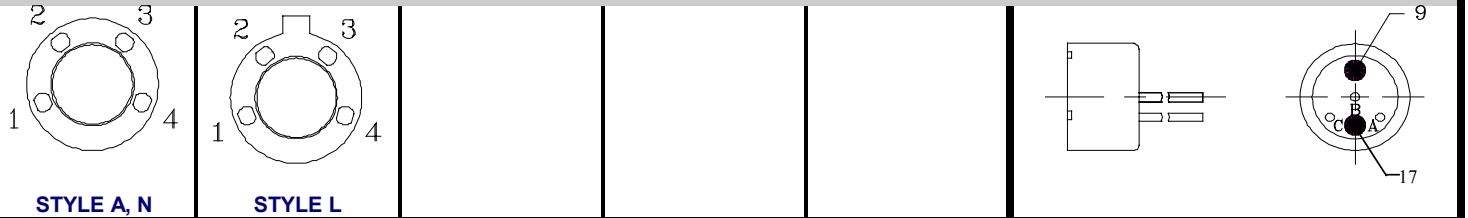
COLOR CODE INK OPTIONS (Used for Coded Rotor, Housing, and Element)

INK OPTIONS:	00 Yellow	06 Brown	10 Dk Blue	17 Purple	21 Copper
	03 Tan	07 Dk Green	11 Lt Gray	18 Blue	22 Silver
	04 Lt Blue	08 White	12 Black	19 Green	23 Dk Gray
	05 Orange	09 Pink	16 Red	20 Gold	24 Lt Green

COLOR CODE OPTIONS

HOUSINGS

ELEMENT

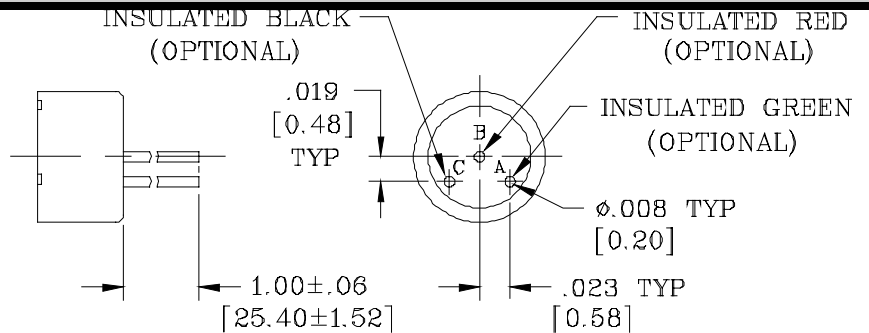


LEAD WIRE

OPTIONS

DESIGNATION

- | | | |
|---|-----------------------|---------------------|
| A | 3 leads non-insulated | (A,B,C) |
| B | 3 leads insulated | (A,B) Forward Taper |
| C | 2 leads non-insulated | (B,C) Reverse Taper |
| D | 2 leads insulated | (A,B,C) |
| E | 2 leads non-insulated | (A,B) Forward Taper |
| F | 2 leads insulated | (B,C) Reverse Taper |
- 3 leads insulated
 2 leads insulated
 2 leads insulated





MODEL 37 PRODUCT DATA SHEET

LEAD WIRE

LEAD WIRE ANGLE TRIM

