

Multi-Turn Trimmer

Model 64



Features:

- 1/4" square
- Cermet



Electrical

| | |
|--|--|
| Standard Resistance Range, Ohms | 10 to 1Meg |
| Standard Resistance Tolerance | $\pm 10\%$ |
| Input Voltage, Maximum | 200Vdc or rms not to exceed power rating |
| Slider Current, Maximum | 100mA or within rated power, whichever is less |
| Power Rating, Watts | 0.25 at 85°C derating to 0 at 150°C |
| End Resistance, Maximum | 2 Ohms |
| Actual Electrical Travel, Turns, Nominal | 12 |
| Dielectric Strength | 900Vrms |
| Insulation Resistance, Minimum | 1,000 Megohms |
| Resolution | Essentially infinite |
| Contact Resistance Variation, Maximum | 1% or 1 Ohms, whichever is greater |

Environmental

| | |
|----------------------------------|--|
| Seal | 85°C Fluorinert® (No Leaks) |
| Temperature Coefficient, Maximum | $\pm 100\text{ppm}/^\circ\text{C}$ |
| Operating Temperature Range | -65°C to +150°C |
| Thermal Shock | 5 cycles, -65°C to +150°C (1% ΔRT , 1% ΔVR) |
| Moisture Resistance | Ten 24 hour cycles (1% ΔRT , IR 1,000 Megohms Min.) |
| Shock, 6ms Sawtooth | 100G's (1% ΔRT , 1% ΔVR) |
| Vibration | 20G's, 10 to 2,000 Hz (1% ΔRT , 1% ΔVR) |
| High Temperature Exposure | 250 hours at 125°C (2% ΔRT , 2% ΔVR) |
| Rotational Life | 200 cycles (2% ΔRT) |
| Load Life at 0.25 Watts | 1,000 hours at 85°C (2% ΔRT) |
| Resistance to Solder Heat | 260°C for 10 sec. (1% ΔRT) |

General Note

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Mechanical

| | |
|--------------------------|--------------------------|
| Mechanical Stops | Clutch action, both ends |
| Torque, Starting Maximum | 3 oz-in. (0.021 N-m) |
| Weight, Nominal | .014 oz. (0.40 grams) |

Packaging Information

Standard:

Tubes
All units oriented with #1 pin to same side.

| | Pin Style | P,W,Y | X,Z |
|----------|-----------|-------------------|-----------------|
| Magazine | Width | = 0.38" (9.65 mm) | 0.38" (9.65 mm) |
| | Height | = 0.62" (15.75mm) | 0.62" (15.75mm) |
| | Length | = 14.5" (368 mm) | 16.9" (429 mm) |
| | Capacity | = 50 Units | 50 Units |

Option:

Tape & Reel, Ammo Pack (Available only for 64Y and 64Z)
All units oriented with #1 pin to the right of the direction of feed.

| | | |
|------|---|--|
| Tape | Seat Plane to Centerline of Sprocket Hole | = .71" (18 mm) |
| | Width | = 18 mm |
| | Sprocket | = Single Hole .50" spacing |
| Reel | Capacity | = 1,000 Units |
| Ammo | Diameter | = 14" (363 mm) |
| | Tape Fold | = 12" |
| | Box | = 1.8" x 13" x 10" (46mm x 330mm x 254mm) |

Ordering Information

Standard:

64 P R 10K LF

Model Series

Pin Style

RoHS Compliant Product Code - Optional

Resistance Value

Resistance Prefix

Option:

64 Y F R 10K LF XX

Pin Style

Pin Style Suffix
(Used with AP & TR packaging options.
'F' designates 0.6" min. lead length.)

Packaging Option

AP = Ammo pack

TR = Tape & Reel

(No code used for tubes)

RoHS Compliant Product Code - Optional

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Multi-Turn Trimmer

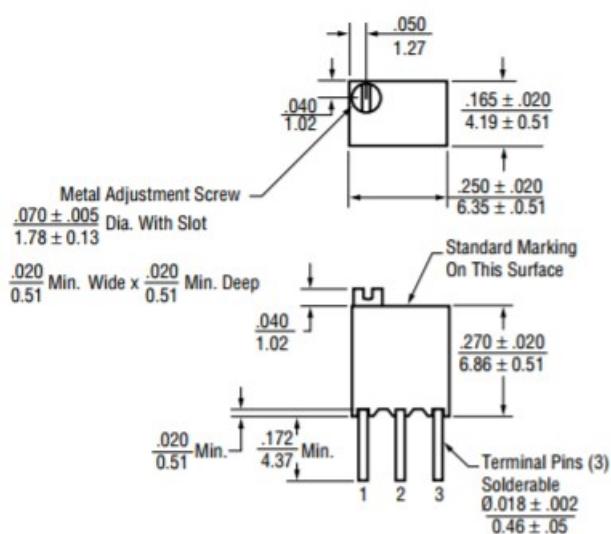
Model 64



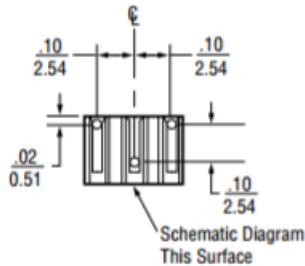
Outline Drawings

TOP ADJUSTMENT (Inch/mm)

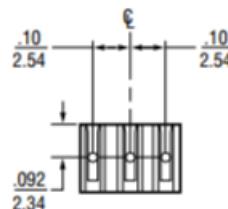
Model 64W and 64Y



Model 64W



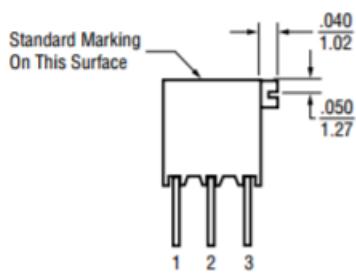
Model 64Y



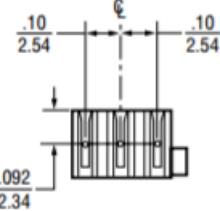
Note: Model 64W dimensions applicable to all models except as noted.

SIDE ADJUSTMENT (Inch/mm)

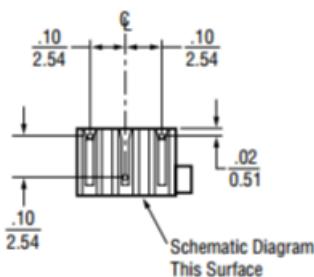
Model 64X and 64Z



Model 64Z



Model 64X



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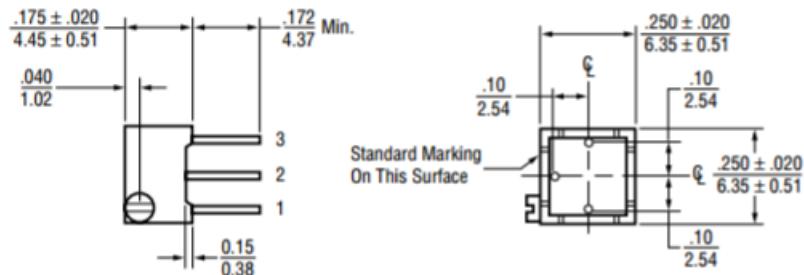
Multi-Turn Trimmer

Model 64

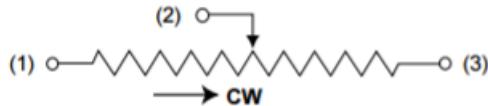


Outline Drawings

Model 64P



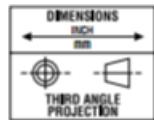
Circuit Diagram



NOTES

Metric equivalents, based on 1 inch = 25.4mm are rounded to the same number of significant figures as in the original. English units are provided for general information only.

Tolerances unless otherwise specified:
Linear = ± .01 inches (.25mm)
Angular = ± 2 degrees



Standard Resistance Values

| | | | | | |
|----|-----|----|-----|------|------|
| 10 | 100 | 1K | 10K | 50K | 250K |
| 20 | 200 | 2K | 20K | 100K | 500K |
| 50 | 500 | 5K | 25K | 200K | 1Meg |

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