

MODEL 67

3/8" Square
Multiturn
Cermet Trimming
Potentiometer

**ELECTRICAL**

Standard Resistance Range, Ohms	10 to 2Meg
Standard Resistance Tolerance	$\pm 10\%$ (< 100 Ohms = $\pm 20\%$)
Input Voltage, Maximum	200 Vdc or rms not to exceed power rating
Slider Current, Maximum	100mA or within rated power, whichever is less
Power Rating, Watts	0.5 at 85°C derating to 0 at 125°C
End Resistance, Maximum	2 Ohms
Actual Electrical Travel, Turns, Nominal	20
Dielectric Strength	900 Vrms
Insulation Resistance, Minimum	1,000 Megohms
Resolution	Essentially infinite
Contact Resistance Variation, Maximum	1% or 1 Ohm, whichever is greater

ENVIRONMENTAL

Seal	85°C Fluorinert® (No Leaks)
Temperature Coefficient, Maximum	$\pm 100\text{ppm}/^\circ\text{C}$ (< 100 Ohms = $\pm 250\text{ppm}/^\circ\text{C}$)
Temperature Range	-55°C to +125°C
Thermal Shock	5 cycles, -55°C to +125°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 (3% ΔRT)
Load Life at 0.5 Watts	1,000 hours at 70°C (2% ΔRT)
Resistance to Solder Heat	260°C for 10 sec. (1% ΔRT)

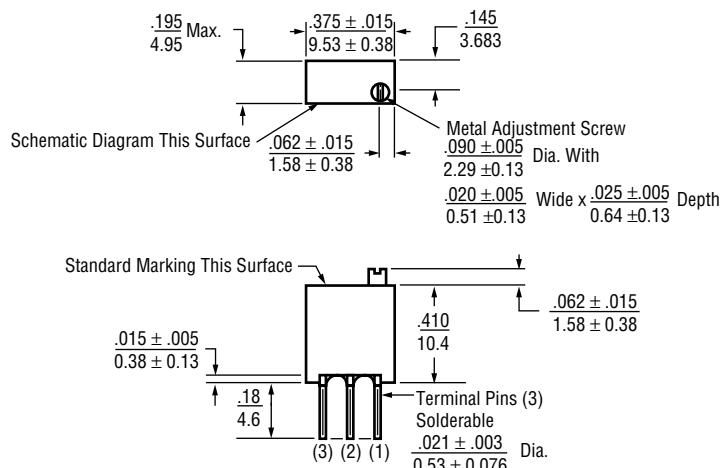
MECHANICAL

Mechanical Stops	Clutch Action, both ends
Torque, Starting Maximum	5 oz.-in. (0.035 N-m)
Weight, Nominal	.04 oz. (1.13 grams)

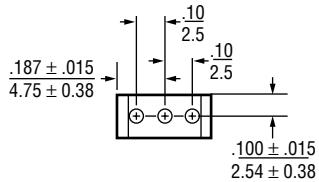
Fluorinert® is a registered trademark of 3M Company.
 Specifications subject to change without notice.

TOP ADJUSTMENT (Inch/mm)

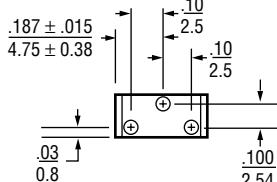
Model 67W and 67Y



Model 67W



Model 67Y



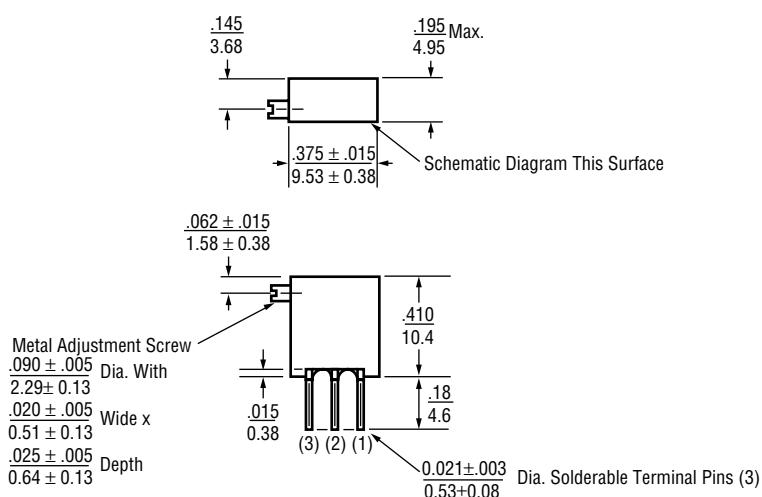
STANDARD RESISTANCE VALUES, OHMS

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

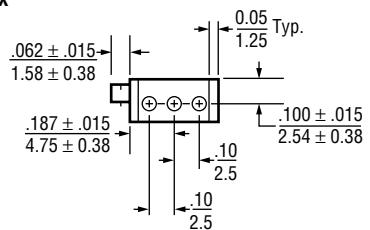
SIDE ADJUSTMENT (Inch/mm)

1

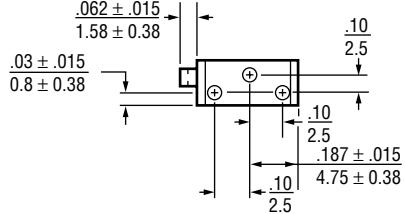
Model 67X and 67Z



Model 67X

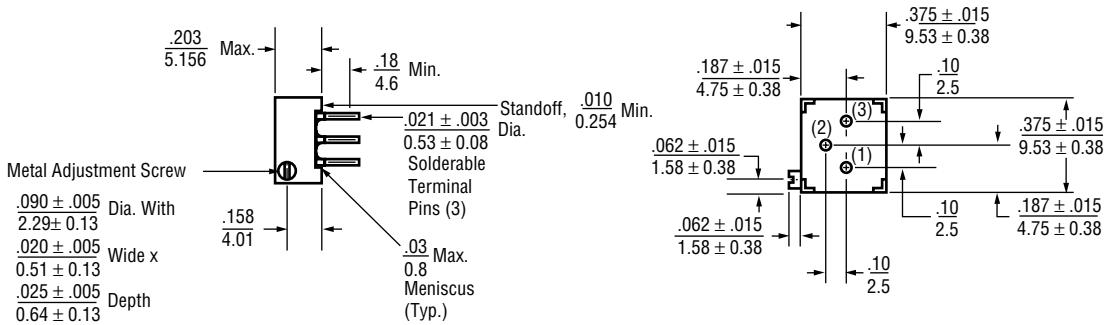


Model 67Z



SIDE ADJUSTMENT (Inch/mm)

Model 67P



PACKAGING**Standard:** Boxes

Capacity	=	100 Units (67W)
	=	50 Units (All other styles)

Option: Tubes

All units oriented with #1 pin to same side.

	Pin Style	P	W,Y	X,Z
Magazine	Width	=	0.57"	0.28"
	Height	=	0.66"	0.93"
	Length	=	20.9"	20.6" 24.4"
	Capacity	=	50 Units	50 Units 50 Units

Option: Tape & Reel, Ammo Pack (Available only for 67W and 67X)

All units oriented with #1 pin to the right of the direction of feed.

	Seat Plane to	
	Centerline of	
	Sprocket Hole	= .71" (18.03 mm)
Tape	Width	= 18 mm
	Sprocket	= Single Hole .50" spacing
	Capacity	= 1,000 Units
Reel	Diameter	= 14" (363 mm)
Ammo	Tape Fold	= 12" (305 mm)
	Box	= 1.8" x 13" x 10" (46mm x 330mm x 254mm)

ORDERING INFORMATION

1

Standard:

67 P R 10K LF

Model Series _____ | RoHS Compliant Product Code - Optional
Pin Style _____ | Resistance Value
_____| Resistance Prefix

Option:

67 W R 10K LF TB

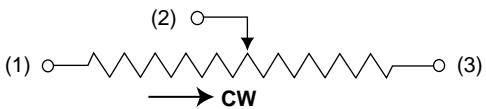
Pin Style _____ | Packaging Option:
_____| TB = Tubes
(Pin styles P, W, X)

Option:

67 W F R 10K LF TR

Pin Style _____ | Packaging Option:
_____| AP = Ammo pack
Pin Style Suffix: _____ | TR = Tape & Reel
(Used with AP and TR packaging options.
Applicable to pin styles W & X only.
"F" designates 0.70" lead length.)
_____| (Pin styles W, X only)

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 and are provided for general information only.

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

