

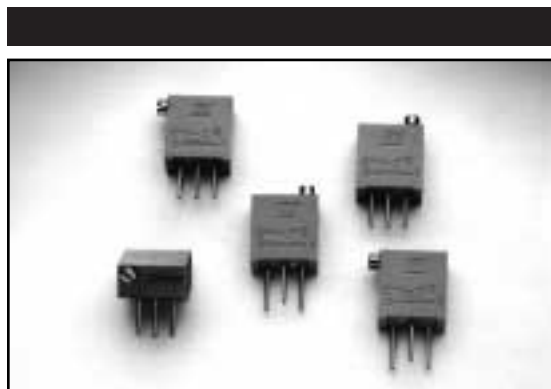
MODEL 67

3/8" Square

Multi-Turn

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% Δ RT, 1% Δ VR)
Moisture Resistance	Ten 24 hour cycles (1% Δ RT, IR 1,000 Megohms min.)
Shock, 6ms Sawtooth	100G's (1% Δ RT, 1% Δ VR)
Vibration	20G's, 10 to 2,000 Hz (1% Δ RT, 1% Δ VR)
High Temperature Exposure	250 hours at 125°C (2% Δ RT, 2% Δ VR)
Rotational Life	200 cycles (3% Δ RT)
Load Life at 0.5 Watts	1,000 hours at 70°C (2% Δ RT)
Resistance to Solder Heat	260°C for 10 sec. (1% Δ RT)

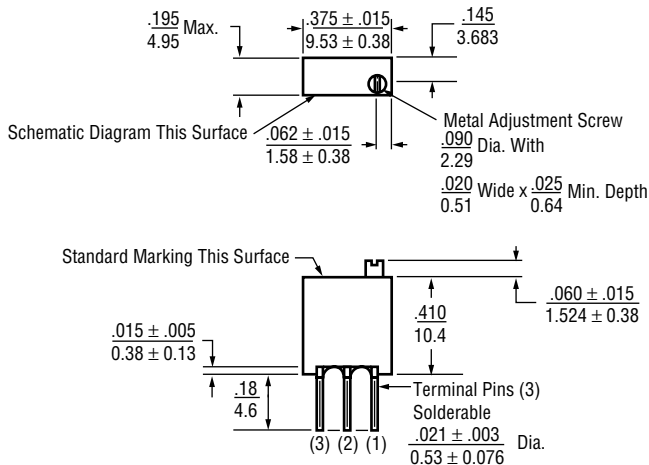
MECHANICAL

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

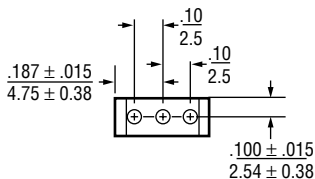
Fluorinert® is a registered trademark of 3M Company.
Specifications subject to change without notice.

TOP ADJUSTMENT

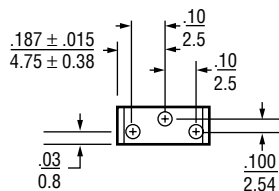
Model 67W and 67Y



Model 67W



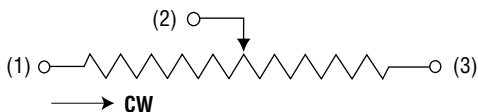
Model 67Y



STANDARD RESISTANCE VALUES, OHMS

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

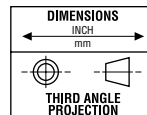
CIRCUIT DIAGRAM



NOTES

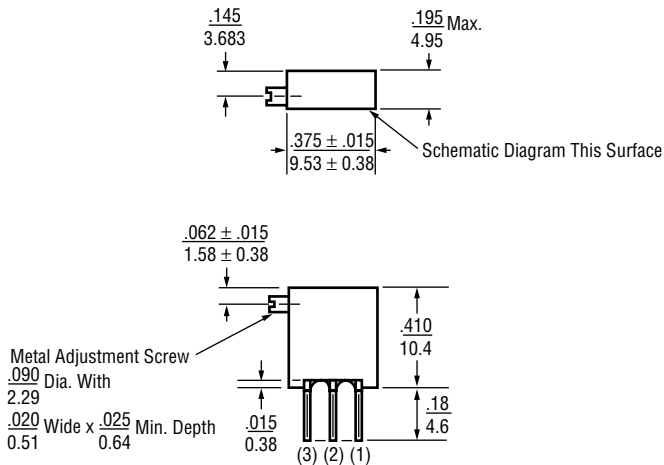
Metric equivalents, based on 1 inch = 25.4mm are rounded to the same number of significant figures as in the original English units and are provided for general information only.

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

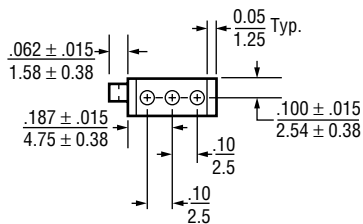


SIDE ADJUSTMENT

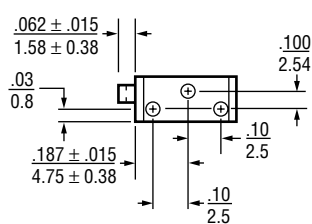
Model 67X and 67Z



Model 67X

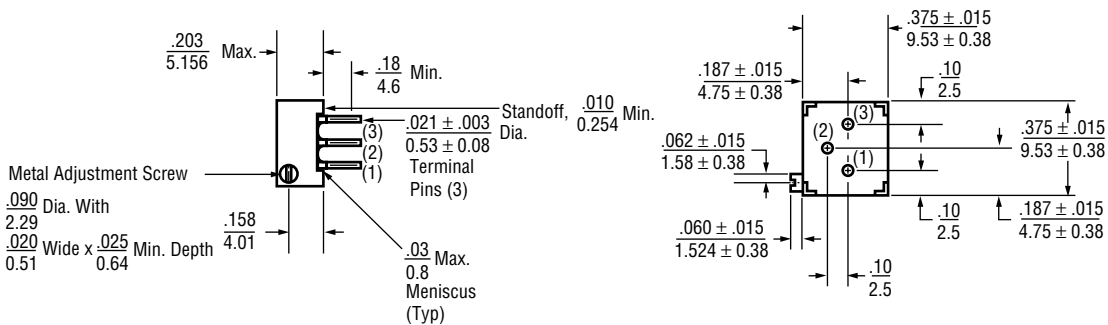


Model 67Z



SIDE ADJUSTMENT

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"	0.28"
	Height	=	0.66"	0.93"	0.93"
	Length	=	20.9"	20.6"	24.4"
	Capacity	=	50 units	50 units	50 units

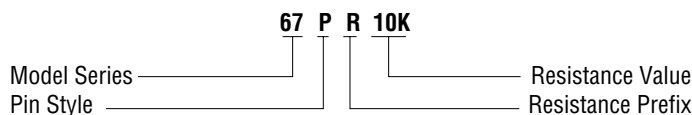
Option: Tape & Reel, Ammo Pack (Available only for 67W and 67X)

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

Standard:



Option:

