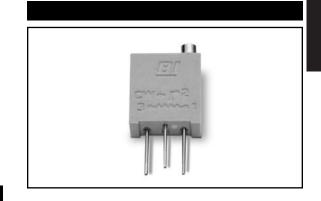
MODEL 67 3/8" Square Multiturn Cermet Trimming Potentiometer



ELECTRICAL

Standard Resistance Range, Ohms	10 to 2Meg
Standard Resistance Tolerance	±10% (<100 Ohms = ±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	± 100 ppm/°C (<100 Ohms = ± 250 ppm/°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% Δ RT, 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)

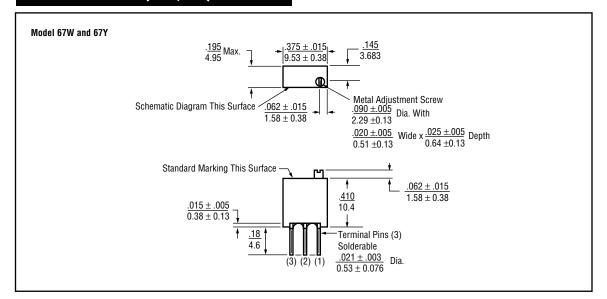
MECHANICAL

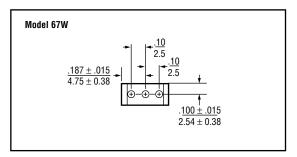
Mechanical Stops	Clutch Action, both ends
Torque, Starting Maximum	5 ozin. (0.035 N-m)
Weight, Nominal	.04 oz. (1.13 grams)

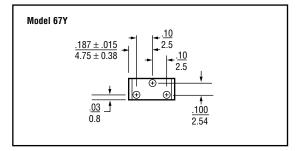
Fluorinert $\!\!\!\! @$ is a registered trademark of 3M Company. Specifications subject to change without notice.



TOP ADJUSTMENT (Inch/mm)

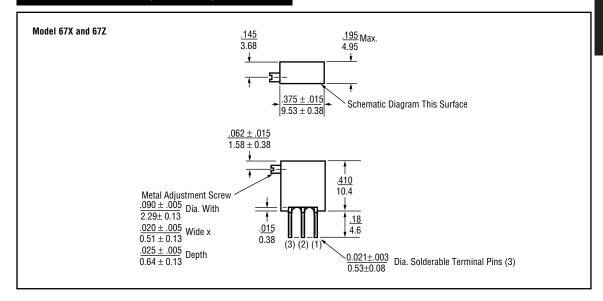


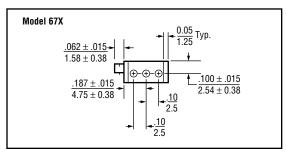


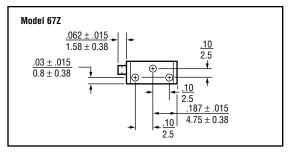


STANDARD RESISTANCE VALUES, OHMS

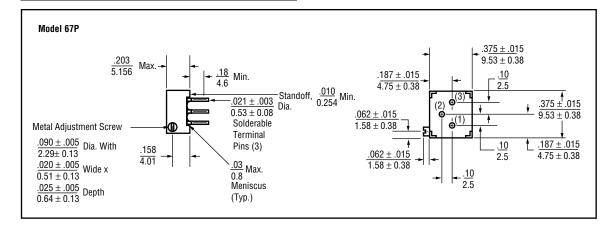
10	200	5K	50K	500K
20	500	10K	100K	1Meg
50	1K	20K	200K	2Meg
100	2K	25K	250K	







SIDE ADJUSTMENT (Inch/mm)



PACKAGING

Standard: Boxes

Capacity = 100 Units (67W)

= 50 Units (All other styles)

Option: Tubes

Tape

Reel

Ammo

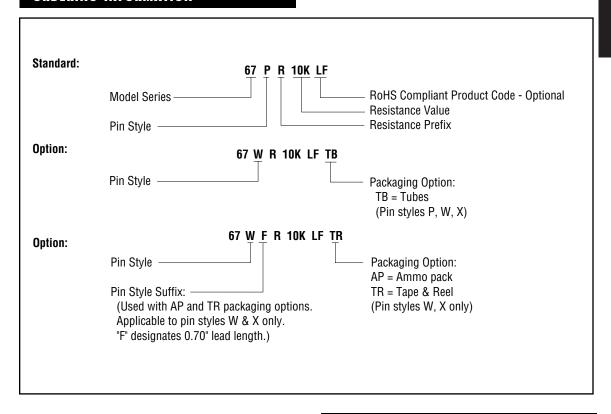
All units oriented with #1 pin to same side.

	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

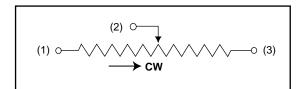
Option: Tape & Reel, Ammo Pack (Available only for 67W and 67X)

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

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



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 = ± .01 inches (.25mm) Angular = ± 2 degrees

