

MODEL 64

1/4" Square

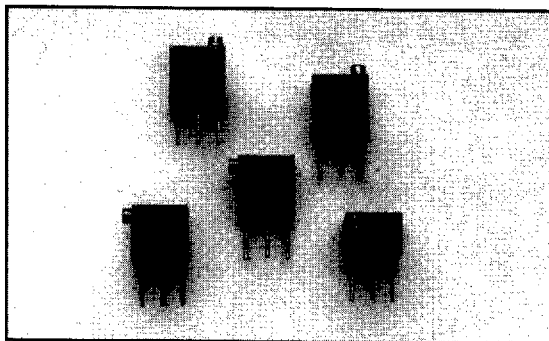
Multi-Turn

Cermet Trimming

Potentiometer

Distributor Item

1



ELECTRICAL

Standard Resistance Range, Ohms	10 to 1Meg
Standard Resistance Tolerance	±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	15
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	±100ppm/°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 0.5 Watts	1,000 hours at 85°C (2% ΔRT)
Resistance to Solder Heat	260°C for 10 sec. (1% ΔRT)

MECHANICAL

Mechanical Stops	Clutch action, both ends
Torque, Starting Maximum	3 oz.-in. (0.021 N-m)
Weight, Nominal	.014 oz. (.40 grams)

STANDARD RESISTANCE VALUES, OHMS

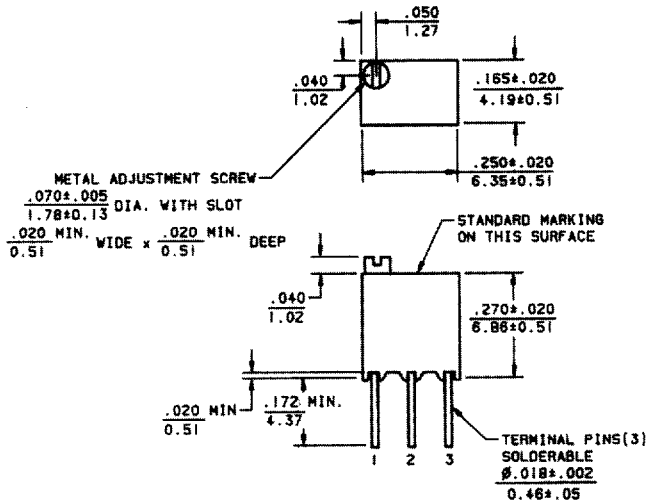
10	100	1K	10K	50K	250K
20	200	2K	20K	100K	500K
50	500	5K	25K	200K	1Meg

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

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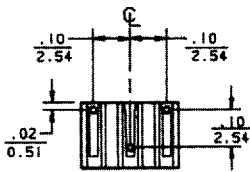
TOP ADJUSTMENT

Model 64W and 64Y

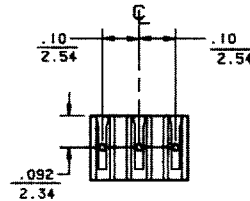


Note: Model 64W dimensions applicable to all models except as noted

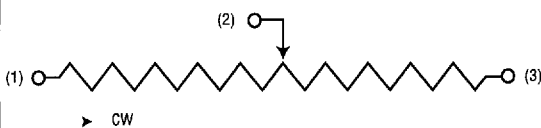
Model 64W



Model 64Y



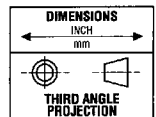
CIRCUIT DIAGRAM



NOTES

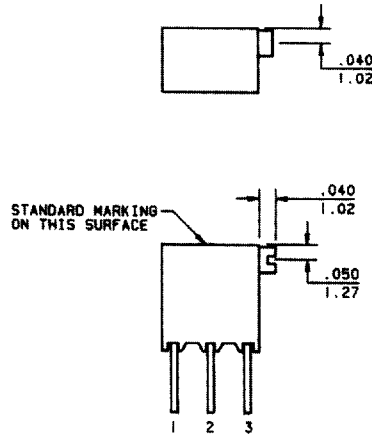
Metric equivalents, based on 1 inch = 25.4mm are rounded to the same number of significant figures as in the original. English units and are provided for general information only.

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

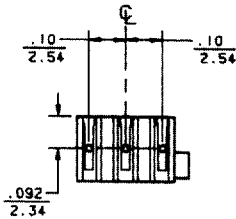


SIDE ADJUSTMENT

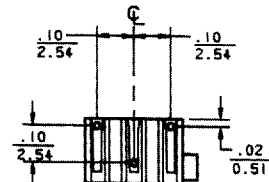
Model 64X and 64Z



Model 64Z

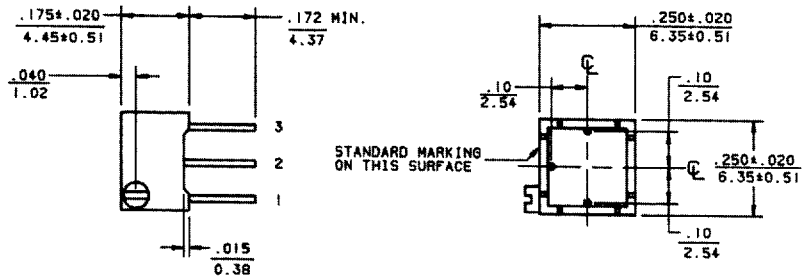


Model 64X



SIDE ADJUSTMENT

Model 64P



PACKAGING

Standard: Tubes
All Units oriented with #1 pin to same side

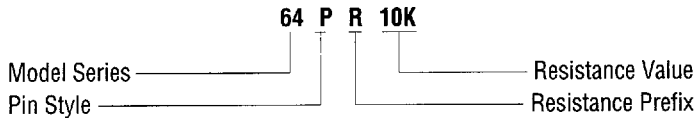
	Pin Style		P,W,Y	X,Z
Magazine	Width	=	0.38" (9.65 mm)	0.38" (9.65 mm)
	Height	=	0.62" (15.75mm)	0.62" (15.75mm)
	Length	=	14.5" (368 mm)	16.9" (429 mm)
	Capacity Units	=	50	50

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

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

ORDERING INFORMATION

Standard:



Option:

