

# MODEL 64

1/4" Square

Multiturn

Cermet Trimming

Potentiometer



## 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	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	±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

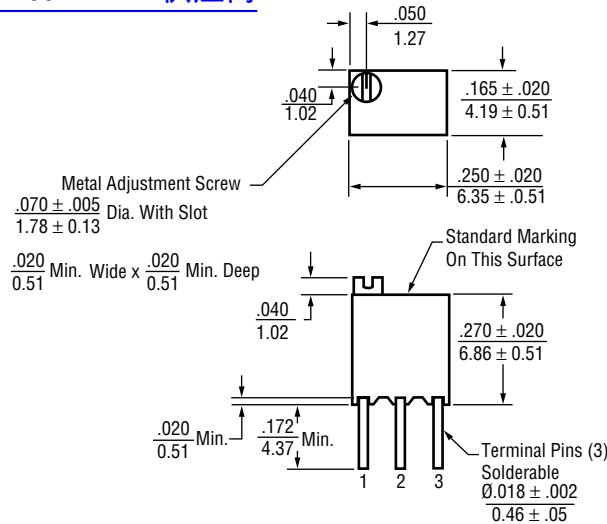
Mechanical Stops	Clutch action, both ends
Torque, Starting Maximum	3 oz.-in. (0.021 N-m)
Weight, Nominal	.014 oz. (0.40 grams)

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

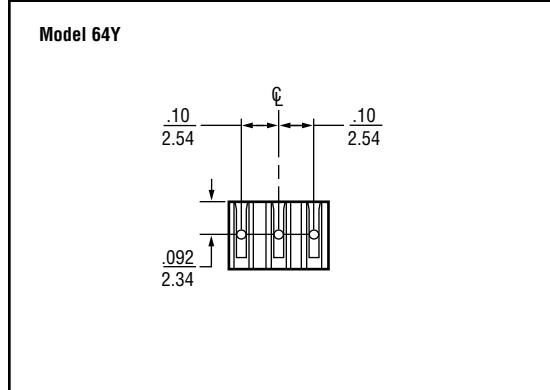
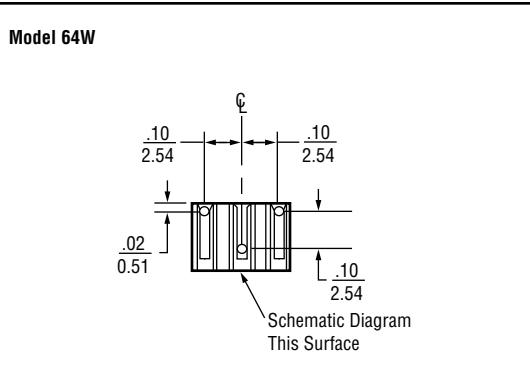


## TOP ADJUSTMENT (Inch/mm)

查询"64PR200KLFTR"供应商  
Model 64W and 64Y



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



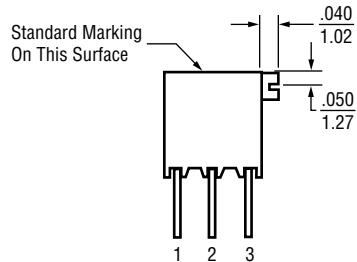
## STANDARD RESISTANCE VALUES, OHMS

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

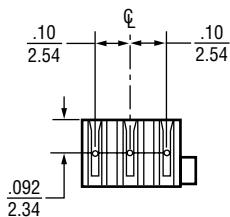
**SIDE ADJUSTMENT (Inch/mm)**

查询"64PR200KLFTR"供应商

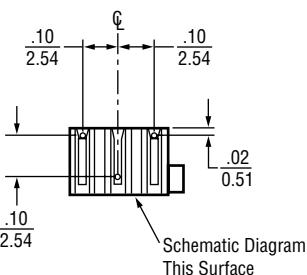
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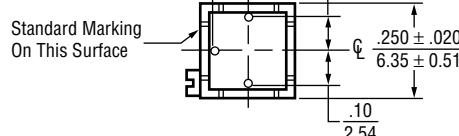
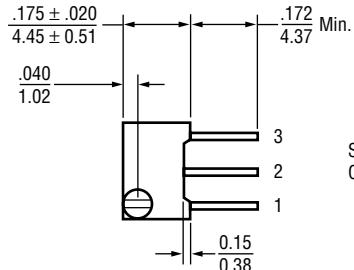
Model 64Z



Model 64X



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 = 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.

Seat Plane to Centerline of Sprocket Hole	= .71" (18 mm)
Tape	Width = 18 mm
	Sprocket = Single Hole .50" spacing
	Capacity = 1,000 Units
Reel	Diameter = 14" (363 mm)
Ammo	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 \_\_\_\_\_

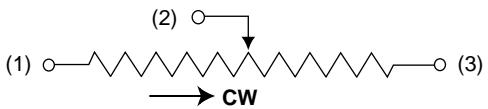
Pin Style Suffix \_\_\_\_\_

(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

## 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 =  $\pm 2$  degrees

