MODEL 64 1/4" Square Multiturn Cermet Trimming Potentiometer



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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% 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% 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 0.25 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 ozin. (0.021 N-m)
Weight, Nominal	.014 oz. (0.40 grams)

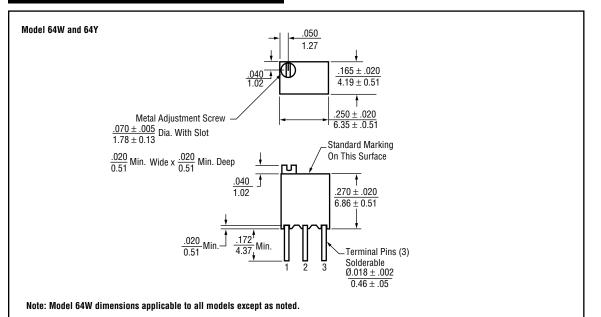
 ${\sf Fluorinert} \circledast$ is a registered trademark of 3M Company. Specifications subject to change without notice.

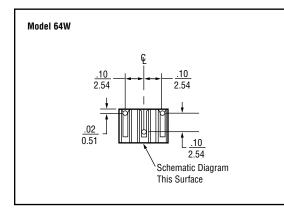


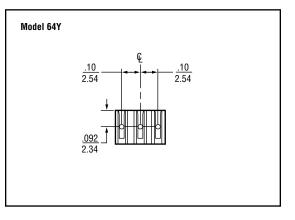
1-35

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TOP ADJUSTMENT (Inch/mm)





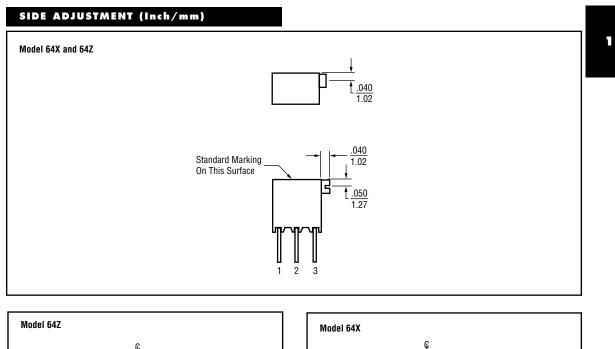


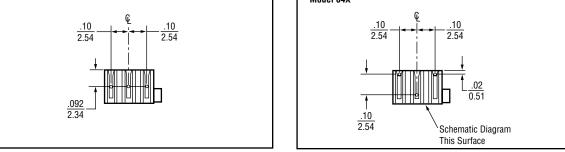
STANDARD RESISTANCE VALUES, OHMS

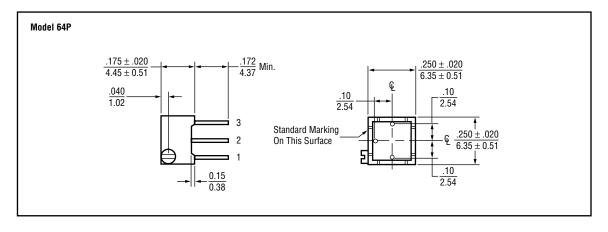
10	100	1K	10K	50K	250K
20	200	2K	20K	100K	500K
50	500	5K	25K	200K	1Meg

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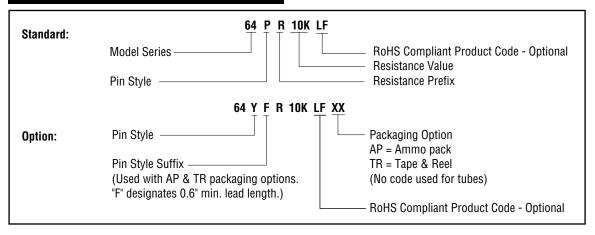
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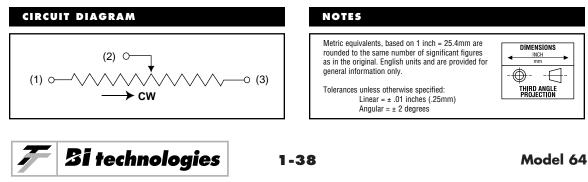
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PACKAGING

Standard:	Tubes					
	All units orie					
		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:				y for 64Y and 64Z)		
	All units orie	nted with #1 pin to) the right	t of the direction of fe	ed.	
		Opet Diene te				
		Seat Plane to				
		Centerline of				
	<u></u>	Sprocket Hole	=	.71" (18 mm)		
	Таре	Width	=	18 mm		
		Sprocket	=	Single Hole .50" spa	acing	
		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





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