BI 68 Potentiometer Datasheet

http://www.manuallib.com/bi/68-potentiometer-datasheet.html

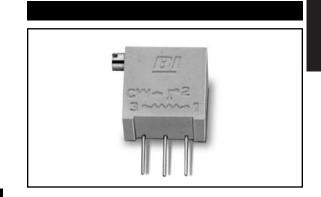
Standard Resistance Range, Ohms 10 to 2Meg
Standard Resistance Tolerance ±10% (<100 Ohms = ±20%)
Input Voltage, Maximum 200 Vdc or rms not to exceed power rating
Slider Current, Maximum 100mA or within rated power, whichever is less
Power Rating, Watts 0.5 at 85°C derating to 0 at 125°C
End Resistance, 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

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http://www.manuallib.com

Cermet Trimming

Potentiometer



ELECTRICAL

Standard Resistance Range, Ohms	10 to 2Meg
Standard Resistance Tolerance	±10% (<100 0hms = ±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	±100ppm/°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

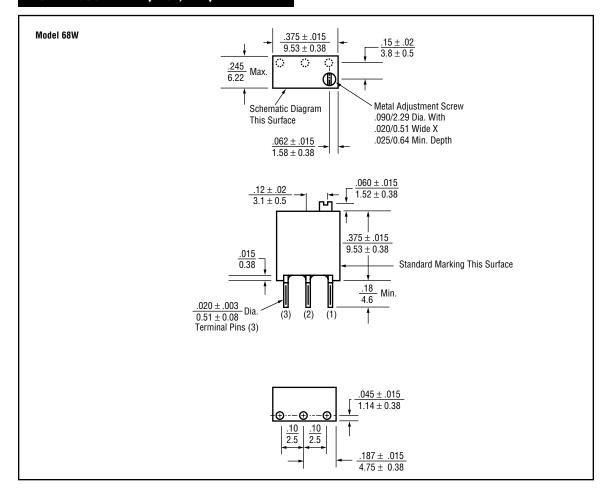
Mechanical Stops	Clutch Action, both ends
Torque, Starting Maximum	5 ozin. (0.035 N-m)
Weight, Nominal	.04 oz. (1.13 grams)

 $\label{lem:problem} Fluorinert \textcircled{\mathbb{B} is a registered trademark of 3M Company.} \\ Specifications subject to change without notice.$

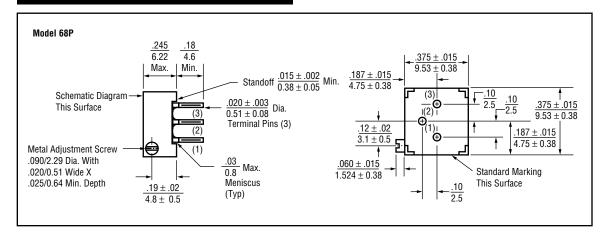


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TOP ADJUSTMENT (Inch/mm)

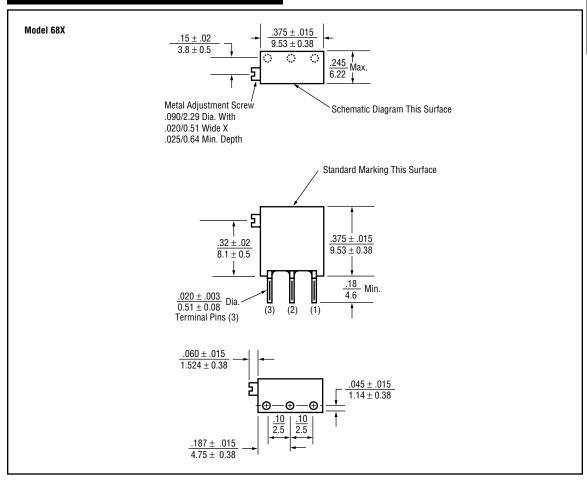


SIDE ADJUSTMENT (Inch/mm)



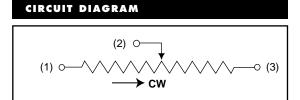


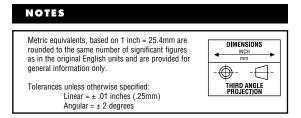
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STANDARD RESISTANCE VALUES, OHMS

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







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PACKAGING

Standard: Boxes

Capacity = 100 Units (68W)

= 50 Units (All other styles)

Option: Tubes

All units oriented with #1 pin to same side.

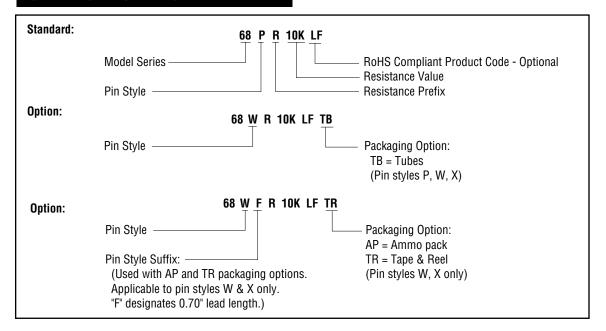
	Pin Style		P	W	X
Magazine	Width	=	0.57"	0.33"	0.33"
	Height	=	0.66"	0.90"	0.90"
	Length	=	20.9"	20.4"	24.4"
	Capacity	=	50 Units	50 Units	50 Units

Option: Tape & Reel, Ammo Pack (Available only for 68W and 68X)

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" (356 mm)
Ammo	Tape Fold	=	12" (305 mm)
	Box	=	1.8" x 13" x 10"
			(46mm x 330mm x 254mm)

ORDERING INFORMATION





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