MODEL 82

1/4" DiameterSingle TurnCermet TrimmingPotentiometer



ELECTRICAL

10 to 1Meg
±10% (<100 Ohms = ±20%)
200 Vdc or rms not to exceed power rating
100mA or within rated power, whichever is less
0.5 at 70°C derating to 0 at 125°C
2 Ohms
220°
600 Vrms
1,000 Megohms
Essentially infinite
1% or 1 Ohm, whichever is greater

ENVIRONMENTAL

Seal	85°C Fluorinert® (No Leaks)
Temperature Coefficient, Maximum	±100ppm/°C
Operating Temperature Range	–55°C to +125°C
Thermal Shock	5 cycles, -55°C to +125°C (1% Δ RT, 1% Δ VR)
Moisture Resistance	Ten 24 hour cycles (1% Δ RT, IR 100 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% Δ RT, 2% Δ VR)
Rotational Life	200 cycles (3% ΔRT)
Load Life at 0.5 Watts	1,000 hours at 70°C (2% ∆RT)
Resistance to Solder Heat	260°C for 10 sec. (1% ΔRT)

MECHANICAL

Mechanical Stops	Solid
Torque, Starting Maximum	3 ozin. (0.021 N-m)
Weight, Nominal	.02 oz. (0.60 grams)

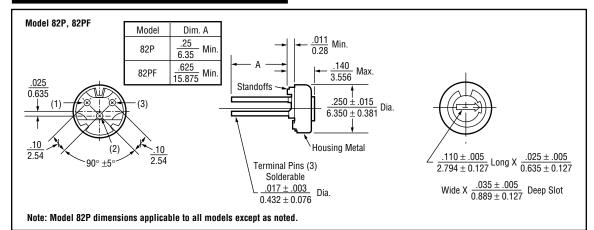
Fluorinert® is a registered trademark of 3M Company. Specifications subject to change without notice.

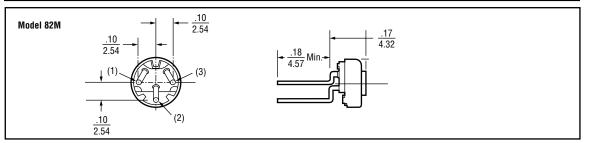


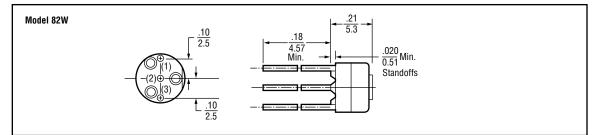
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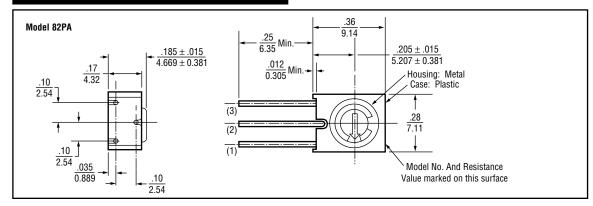
TOP ADJUSTMENT (Inch/mm)







SIDE ADJUSTMENT (Inch/mm)









STANDARD R	RESISTANCE VAL	JES, OHMS			
10	100	1K	10K	50K	250K
20	200	2K	20K	100K	500K
50	500	5K	25K	200K	1Meg

• •	10	2	1	C
		 -		-

FAGNAU					
Standard:	Boxoc				
Stanuaru.	DOY62	Capacity	=	50 Units	(82PA, 82PF)
		oupdoily	=		(All other styles
Option:	Tubes		-	100 01113	(All other styles
Option.		ented with #1 pin	to come	a cida	
	All utilits of	enteu with #1 pin	to same	5 5106.	
		Pin Style		PA	P,M,W
	Magazine	Width	=	0.28"	0.34"
	Ū.	Height	=	0.94"	0.65"
		Length	=	15.6"	27.5"
		Capacity	=	50 Units	100 Units
Option:		I, Ammo Pack (Av ented with #1 pin Seat Plane to Centerline of	to the ri	ight of the di	rection of feed.
	Tana	Sprocket Hole	=	.71" (18.0	13 mm)
	Таре	Width	=	18 mm	50 "
		Sprocket	=	Single Hole .50" spacing	
		Capacity	=	1,000 Uni	
	Reel	Diameter	=	14" (356 ו	
	Ammo	Tape Fold	=	12" (305 ו	
		Box	=	1.5" x 13"	' x 10"

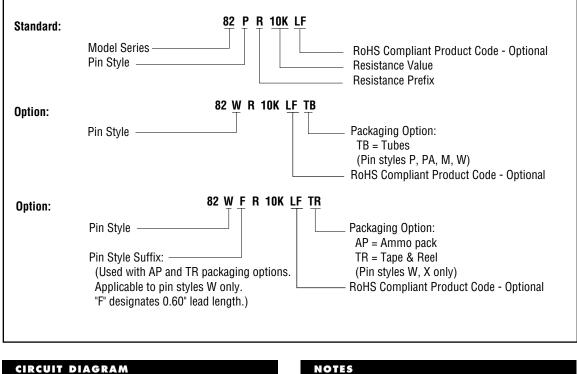


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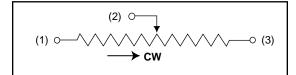
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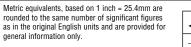
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ORDERING INFORMATION



CIRCUIT DIAGRAM





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





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