Multi-Turn Trimmer

Model 89 and 90



Features:

- 1/4" square
- Surface mount
- Cermet



Electrical

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	0.75 at 85°C derating to 0 at 125°C		
End Resistance, Maximum	2 Ohms		
Actual Electrical Travel, Turns, Nominal	20		
Dielectric Strength	1,000 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		
Operating 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% ART, 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% ΔRT, 2% ΔVR)		
Rotational Life	200 cycles (3% ΔRT)		
Load Life at 0.75 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 5 ozin. (0.035 N-m)	
Torque, Starting Maximum		
Weight, Nominal	.05 oz. (1.4 grams)	

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Packaging Information

Standard: Boxes

Capacity = 100 Units (89P)

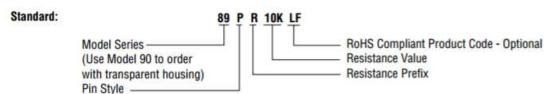
50 Units (All other styles)

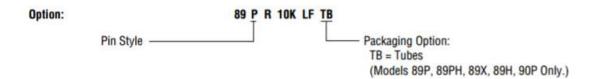
Option: Tubes (Models 89P, 89PH, 89X, 89XH and 90P only.)

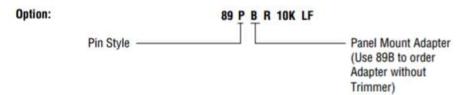
All units oriented with #1 pin to same side.

Magazine	Width	=	0.28"	
	Height	=	0.65"	
	Length	=	21.5"	
	Capacity	=	25 Units	

Ordering Information







Standard Resistance Values

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

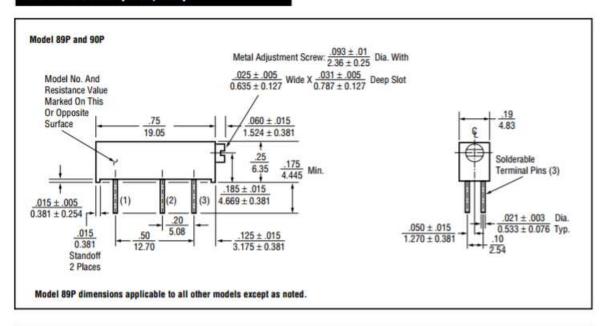
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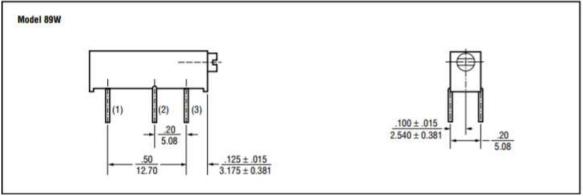
Model 89 and 90

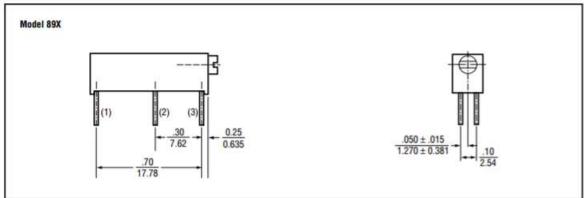


Outline Drawings

LOW PROFILE (Inch/mm)







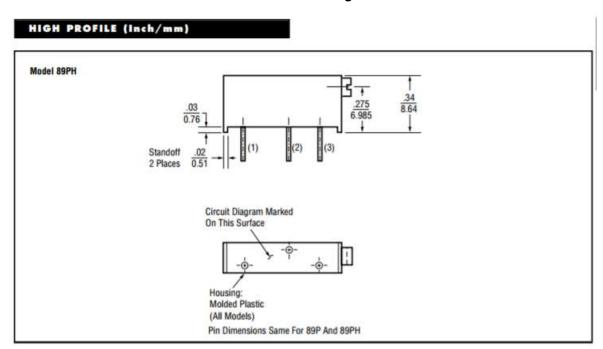
General Note

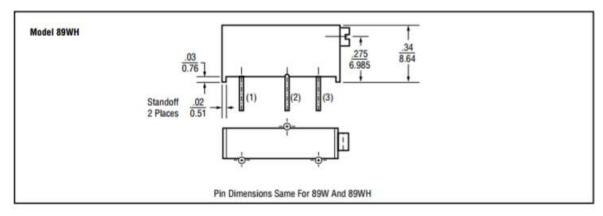
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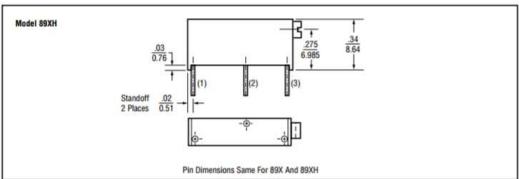
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Outline Drawings







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