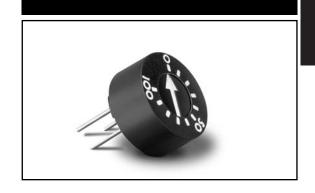
MODEL 93 1/2" Diameter Single Turn Cermet Trimming

Potentiometer



ELECTRICAL

Standard Resistance Range, Ohms	20 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	1.0 at 70°C derating to 0 at 125°C			
End Resistance, Maximum	2 Ohms			
Actual Electrical Travel, Nominal	270°			
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		
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% ΔRT, 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 0.5 Watts	1,000 hours at 70°C (2% ΔRT)		
Resistance to Solder Heat	260°C for 10 sec. (1% ΔRT)		

MECHANICAL

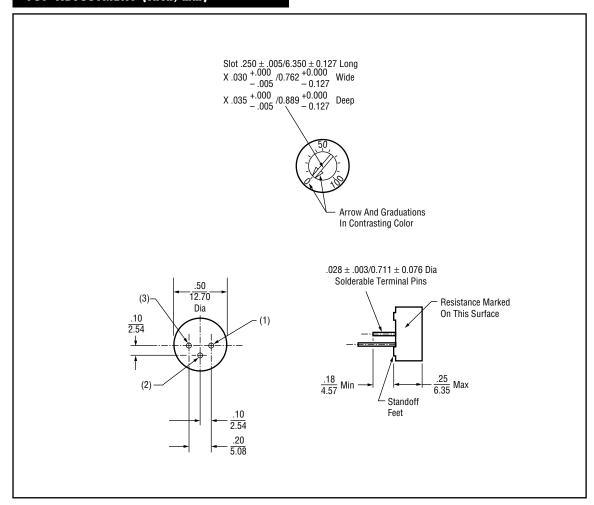
Mechanical Stops	24 ozin.
Stop Strength	1.5 lbin. (0.169 N-m)
Torque, Starting Maximum	5 ozin. (0.035 N-m)
Weight, Nominal	.052 oz. (1.5 grams)

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



1-87

Model 93



STANDARD RESISTANCE VALUES, OHMS

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

1-88

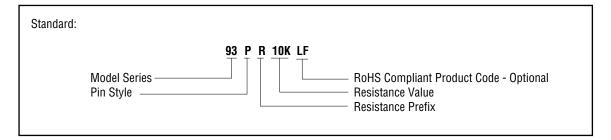


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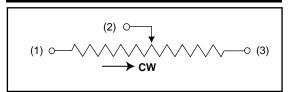
Standard: Boxes

Capacity = 50 units

ORDERING INFORMATION



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 = ± .01 inches (.25mm) Angular = ± 2 degrees



