## **Single-Turn Cermet Trimmer**

Model 91

#### Features:

- 3/8" diameter
- Single-turn
- Cermet

# **Electronics**



ELECTRICAL	
Standard Resistance Range, Ohms	10 to 2Meg
Standard Resistance Tolerance	±20%
Input Voltage, Maximum	250 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 70°C derating to 0 at 125°C
End Resistance, Maximum	2 Ohms
Actual Electrical Travel, Nominal	174°
Dielectric Strength	500 Vrms
Insulation Resistance, Minimum	1,000 Megohms
Resolution	Essentially infinite
Contact Resistance Variation, Maximum	1% or 1 Ohm, whichever is greater

#### ENVIRONMENTAL

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% $\Delta$ 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% $\Delta$ RT, 2% $\Delta$ VR)
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	Solid
Stop Strength	12 ozin. (0.085 N-m)
Torque, Starting Maximum	5ozin. (0.042 N-m)
Weight, Nominal	.03 oz. (0.85 grams)

Specifications subject to change without notice.

General Note

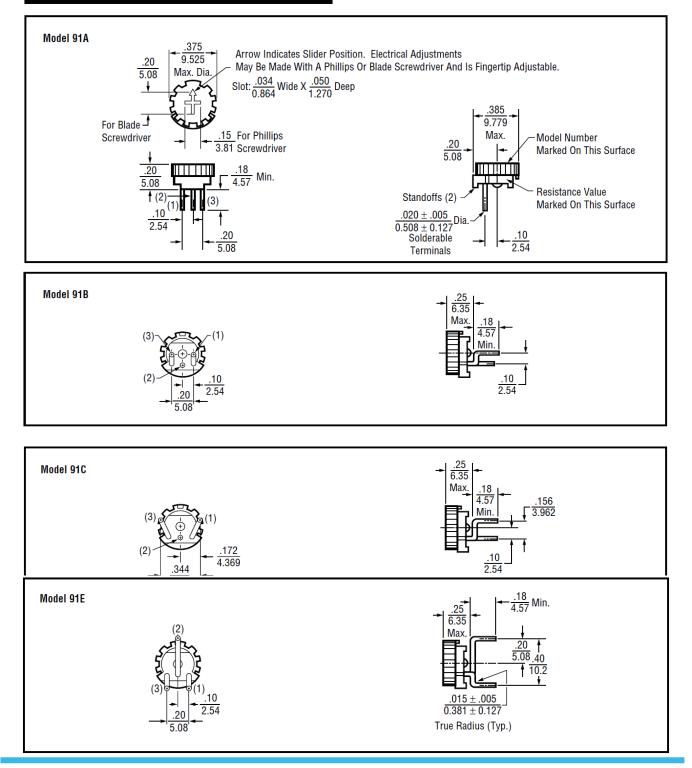
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#### TOP ADJUSTMENT (Inch/mm)



General Note

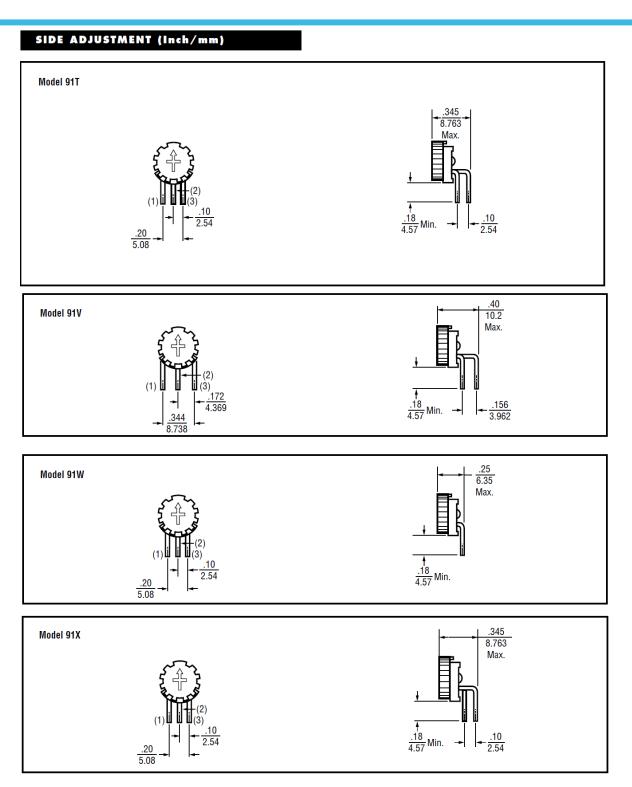
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TT Electronics | BI Technologies 413 Rood RD, Suite 7 Calexico, CA 92231 Ph: + 1 (714) 447-2345 www.ttelectronics.com/bi-technologies Issue B 04/2019 Page 2

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