Single Turn Trimmer

Model 25



Features:

- 1/4" square
- Sealed single turn
- Cermet
- Through-hole



Electrical

Standard Resistance Range	10 Ohms to 2 Megohms		
Standard Resistance Tolerance	±10%		
Input Voltage	300 Vdc Max. or rms not to exceed power rating		
Power Rating	0.5 Watts at 70°C derating to 0 at 125°C		
End Resistance	1% or 2 Ohms Max., whichever is greater		
Actual Electrical Travel	210° nominal		
Dielectric Strength	900 Vrms		
Insulation Resistance	1,000 Megohms Min.		
Resolution	Essentially infinite		
Contact Resistance Variation	1% or 3 Ohms Max., whichever is greater		

Environmental

Seal	85°C Fluorinert® (No Leaks)		
Temperature Coefficient	±100 ppm/°C		
Operating Temperature Range	-55°C to +125°C		
Thermal Shock	Five cycles -55°C to +125°C (2% ΔRT, 2% ΔVR)		
Moisture Resistance	Ten 24 hour cycles (3% ΔRT)		
Shock	6 ms sawtooth, 100 G's (1% ΔRT, 1% ΔVR)		
Vibration	30 G'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 (2 Ohms or 3% ΔRT, whichever is greater)		
Load Life	1,000 hours at 70°C & 0.5 Watts (3% ΔRT, 3% ΔVR)		
Resistance to Solder Heat	350°C for 3 seconds or 260°C for 10 seconds (1% ΔRT)		

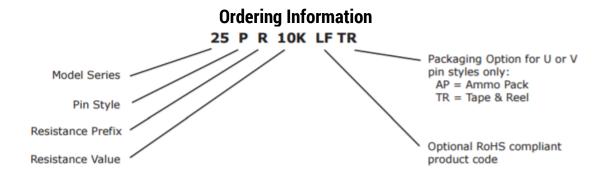
Mechanical

Mechanical Stops	Solid
Stop Strength	7 ozin. Min. (500 g-cm)
Torque	3 ozin. Max. (200 g-cm)
Weight	0.02 oz. nominal (0.6 grams)

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Packaging Information

Standard (no code): Tubes. 50 units each. All units oriented wth #1 pin to same side.

Option (TR code, only for U or V pin style): Tape & Reel. All units oriented with #3 pin toward direction of feed.

	Pin Style	V	U
Tape	Width =	18 mm	18 mm
	Single hole sprocket =	0.50" pitch	0.50" pitch
	Capacity =	1,000 units	750 units
Reel	Diameter =	14" (363 mm)	14" (363 mm)

Option (AP code, only for U or V pin style): Ammo pack. Tape fold 12". Box 2.0" x 13.4" x 13.8" (50 mm x 340 mm x 350 mm)

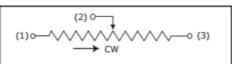
Standard Resistance Values, Ohms

TT Electronics reserves the right to make changes in product specification without

notice or liability. All information is subject to TT Electronics' own data and is

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

Circuit Diagram



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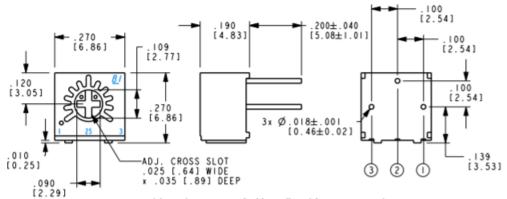
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considered accurate at time of going to print.



Outline Drawings-Top Adjustment

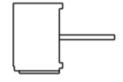
MODEL 25P

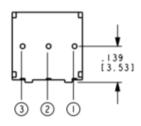


Note: Model 25P dimensions applicable to all models except as noted

MODEL 25U

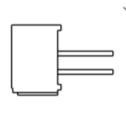


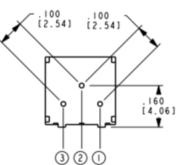




MODEL 25W

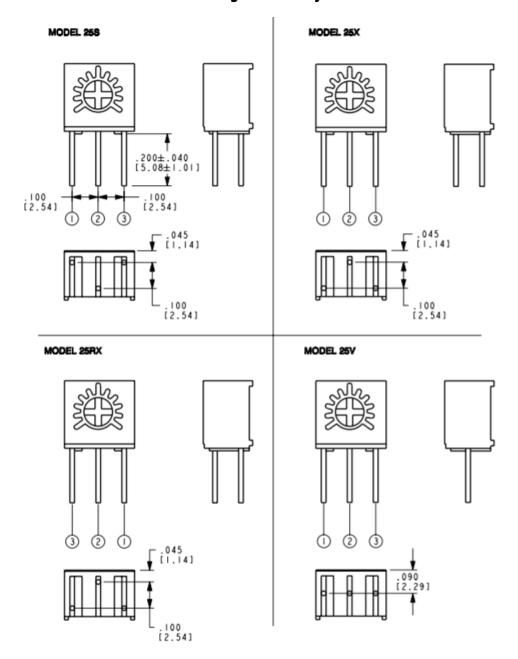








Outline Drawings-Side Adjustment



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