Single Turn Trimmer

Model 22



Features:

- 3 mm square
- Sealed single turn
- Cermet
- Surface mount
- Cross Slot option



Model Styles Available

J Hook	22A
Side Adjust	22S
J Hook with Cross Slot	22AC
Side Adjust with Cross Slot	22SC

Electrical

Standard Resistance Range	10 ohms to 2 Megohms	
Standard Resistance Tolerance	±20%	
Residual Resistance, Maximum	1% or 3 ohms Max., whichever is greater	
Resistance Taper	Linear	
Maximum Operating Voltage	200 Vdc Max. or rms not to exceed power rating	
Rated Power	0.125 Watts at 70°C derating to 0 at 125°C	
Dielectric Strength	500 Vrms	
Actual Electrical Travel, Nominal	220°	
Insulation Resistance	100 Megohms Min.	
Contact Resistance Variation	3% or 3 ohms Max., whichever is greater	
Resolution	Essentially infinite	

Environmental

Seal	85°C Fluorinert (No Leaks)		
Temperature Coefficient	±100 ppm/°C (<100 Ohms = ±150 ppm/°C		
Operating Temperature Range	-55°C to +125°C		
Thermal Shock	Five cycles –55°C to +125°C (2% Δ Rt, 1% Δ VR)		
Moisture Resistance	Ten 24 hour cycles (3% ΔRt)		
Shock	6ms sawtooth, 100 G's (1% Δ Rt, 1% Δ VR)		
Vibration	20 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	100 cycles (3% ΔRt)		
Load Life	1,000 hours at 70°C & 0.125 Watts (3% ΔRt, 1% ΔVR)		
Resistance to Solder Heat	250°C for 10 seconds		
RoHS	Please refer to TT Electronics Website		
REACH	Please refer to TT Electronics Website		

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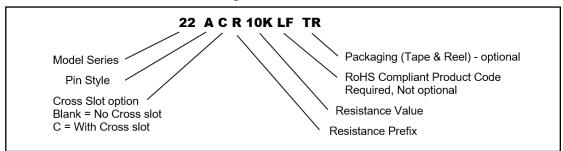
Model 22



Mechanical

Mechanical Stop	Solid
Mechanical Rotation	250° nominal
Stop Strength	1.3 in. oz Min (300 g-cm)
Torque	0.65 in. oz. Max. (150 g-cm)
Weight	0.002 oz. nominal (0.14 grams)
Wiper Position	Approximately 50% of Rt

Ordering Information



Packaging Information

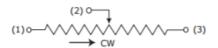
Standard (no code): Boxes. Capacity = 100 units.

Option (TR code): Tape & Reel. All units oriented with #2 (slider) pin adjacent to sprocket holes.

	Pin Style	Α	S
Таре	Width =	12 mm 16 m	
	Sprocket =	4 mm pitch	4 mm pitch
	Capacity =	1000 units	200 units
Reel	Diameter =	7" (178 mm)	10" (254 mm)

Circuit Diagram

Standard Resistance Values, Ohms



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

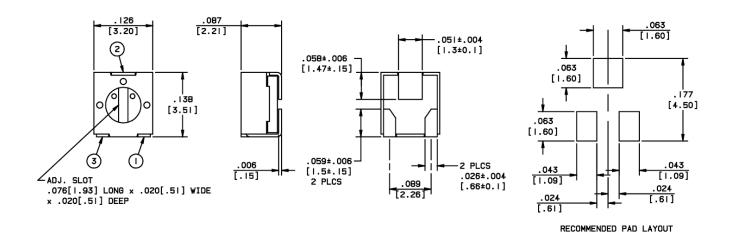
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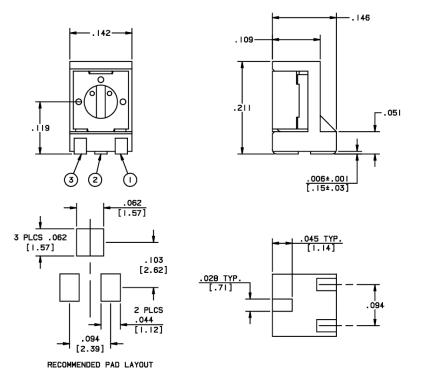


Outline Drawings

Model 22A — Top Adjust



Model 22S—Side Adjust



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