# **Single Turn Trimmer**

## Model 22



#### Features:

- 3 mm square
- Sealed single turn
- Cermet
- Surface mount



## **Model Styles Available**

J Hook	22A
Side Mount	22S

#### **Electrical**

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

#### **Environmental**

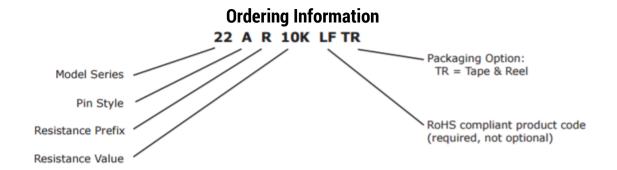
Seal	85°C Fluorinert® (No Leaks)
Temperature Coefficient	±100 ppm/°C (<100 Ohms = ±150 ppm/°C)
Operating Temperature Range	-55°C to +125°C
Thermal Shock	Five cycles -55°C to +125°C (2% ΔRT, 1% ΔVR)
Moisture Resistance	Ten 24 hour cycles (3% ΔRT)
Shock	6 ms sawtooth, 100 G's (1% ΔRT, 1% ΔVR)
Vibration	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	260°C for 5 seconds

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Mechanical				
Mechanical Stops	Solid			
Stop Strength	1.3 ozin. Min. (300 g-cm)			
Torque	0.65 ozin. Max. (150 g-cm)			
Weight	0.002 oz. nominal (0.14 grams)			
Wiper Position	Approximately 50%			



#### **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 mm
	Sprocket =	4 mm pitch	4 mm pitch
	Capacity =	1000 units	200 units
Reel	Diameter =	7" (178 mm)	10" (254 mm)

#### **Circuit Diagram**

# (1)0—(2)0—(3)

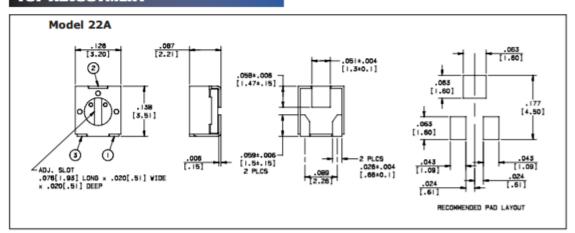
#### **Standard Resistance Values, Ohms**

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

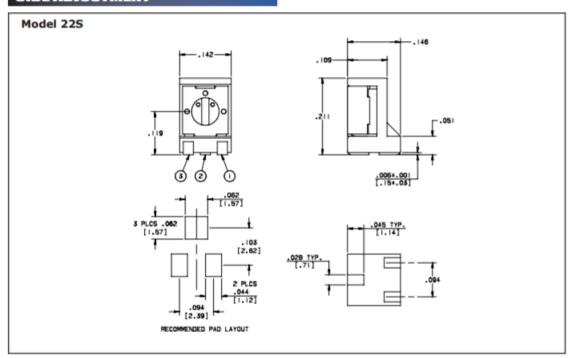


## **Outline Drawings**

#### **TOP ADJUSTMENT**



#### SIDE ADJUSTMENT



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