

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% ΔRt, 1% ΔVR)
Moisture Resistance	Ten 24 hour cycles (3% ΔRt)
Shock	6ms 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	250°C for 10 seconds
RoHS	Please refer to TT Electronics Website
REACH	Please refer to TT Electronics Website

General Note

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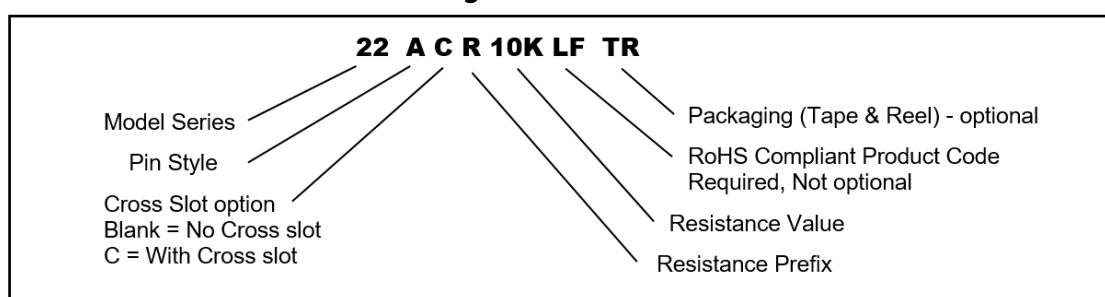
Model 22



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



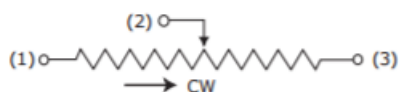
Packaging Information

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	A	S
Tape	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



Standard Resistance Values, Ohms

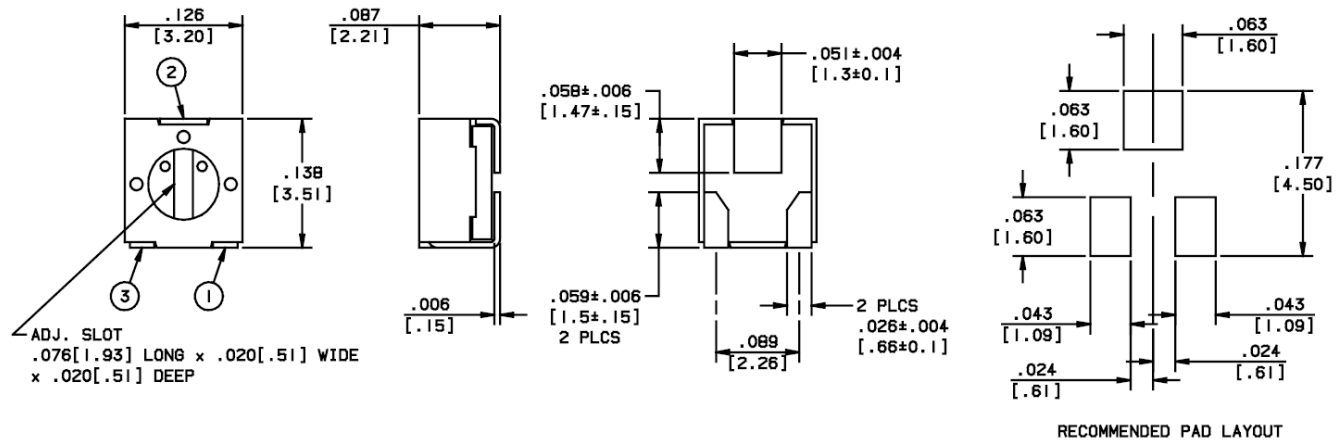
10	100	1K	10K	100K	1 Meg
20	200	2K	20K	200K	2 Meg
50	500	5K	50K	500K	

General Note

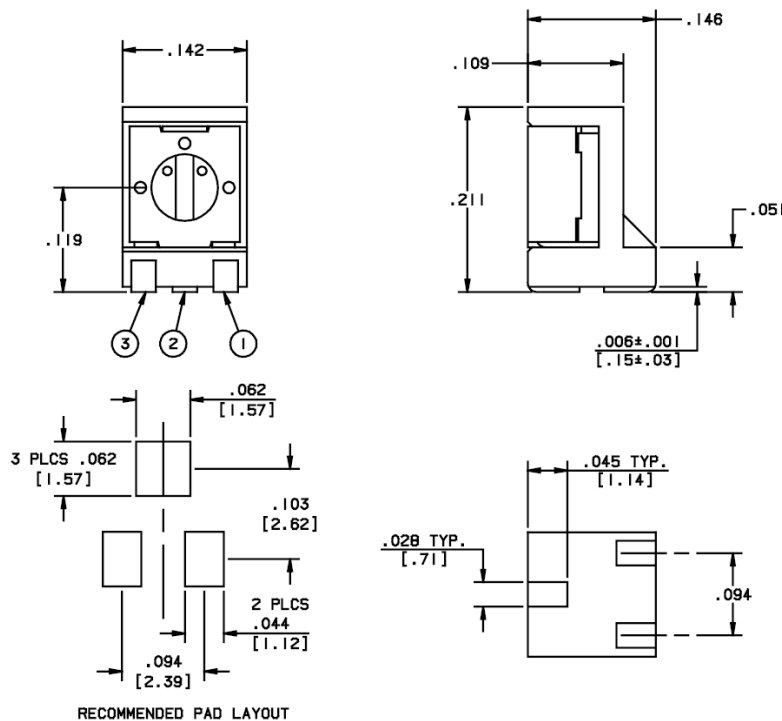
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Outline Drawings

Model 22A— Top Adjust



Model 22S—Side Adjust

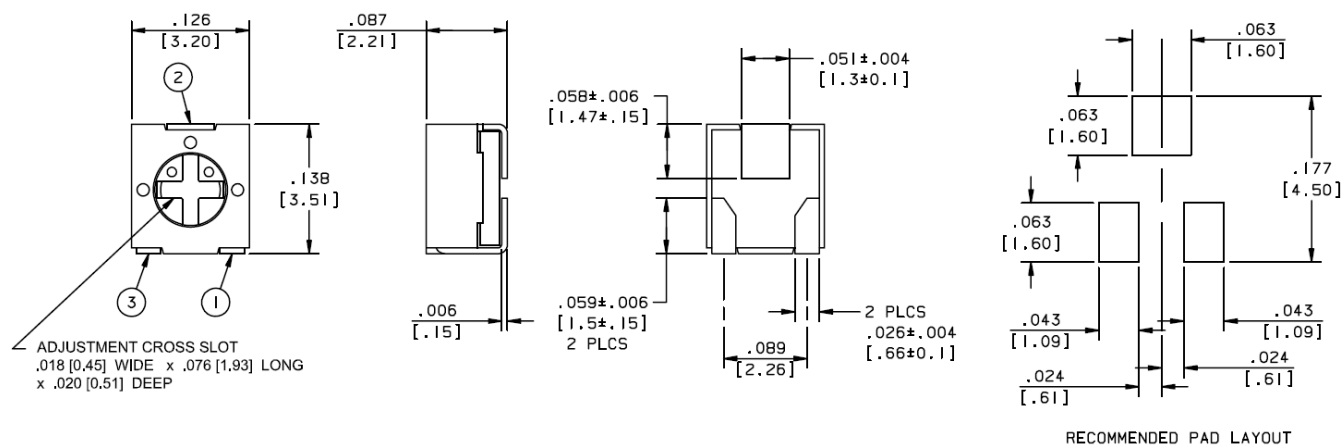


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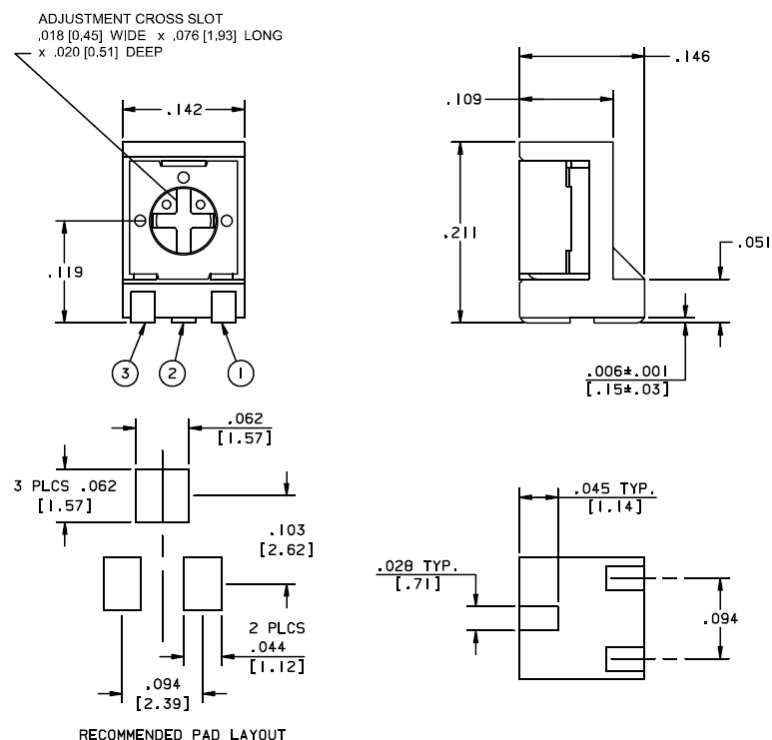
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Outline Drawings

Model 22AC—With Cross Slot adjustment



Model 22SC—With Cross Slot adjustment



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