# MODEL 23A, B, S

# 4mm Square **Sealed Single Turn Surface Mount Cermet Trimming Potentiometer**



# ELECTRICAL

CD No.	
Standard Resistance Range, Ohms	10 to 2Meg
Standard Resistance Tolerance	±20%
Input <mark>Voltage, Maximum</mark>	200 Vdc or rms not to exceed power rating
Power Rating, Watts	0.25 at 70°C derating to 0 at 125°C
End R <mark>esistanc</mark> e, Maximum	1% or 3 Ohms, whichever is greater
Actual Electrical Travel, Nominal	210°
Dielectric Strength	500 Vrms
Insulation Resistance, Minimum	100 Megohms
Resolution	Essentially infinite
Contact Resistance Variation, Maximum	1% or 3 Ohms, whichever is greater

# ENVIRONMENTAL

85°C Fluorinert® (No Leaks)
$\pm 100$ ppm/°C (<200 Ohms, >1Meg = $\pm 250$ ppm/°C)
−55°C to +125°C
5 cycles, -55°C to +125°C (2% ΔRT, 2% ΔVR)
Ten 24 hour cycles (3% ΔRT)
100G's (1% ΔRT, 1% ΔVR)
20G's, 10 to 2,000 Hz (1% ΔRT, 1% ΔVR)
250 hours at 125°C (2% ΔRT, 2% ΔVR)
100 cycles (5% ΔRT)
1,000 hours at 70°C (3% ΔRT, 1% ΔVR)
260°C for 10 sec. (1% ΔRT)

#### MECHANICAL

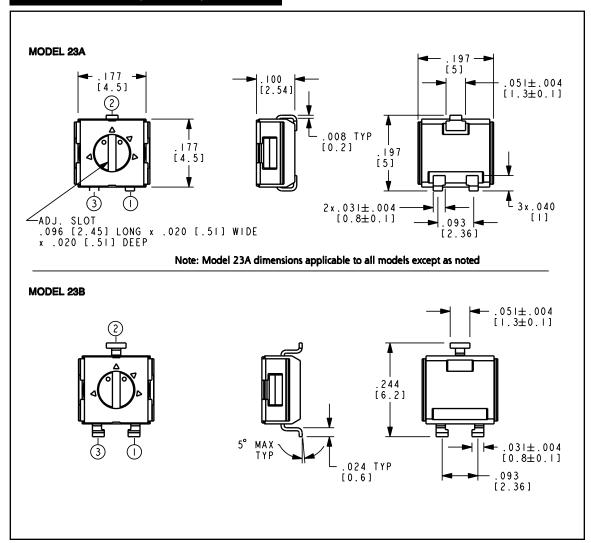
Mech <mark>anical Stops</mark>	Solid
Stop Strength, Minimum	4 ozin. (300 gr-cm)
Torque, Maximum	2 ozin. (150 gr-cm)
Weight, Nominal	.005 oz. (0.14 grams)

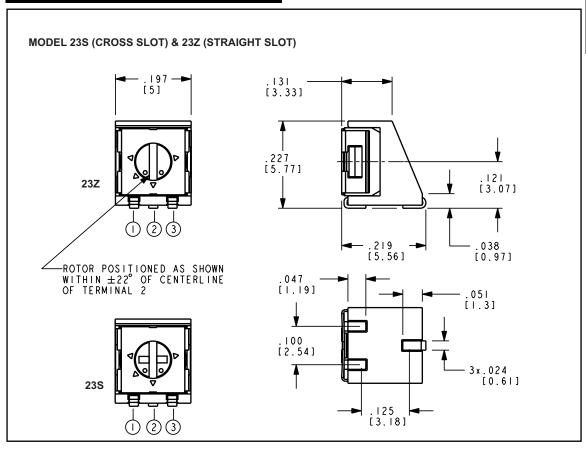
Fluorinert® is a registered trademark of 3M Company. Specifications subject to change without notice.



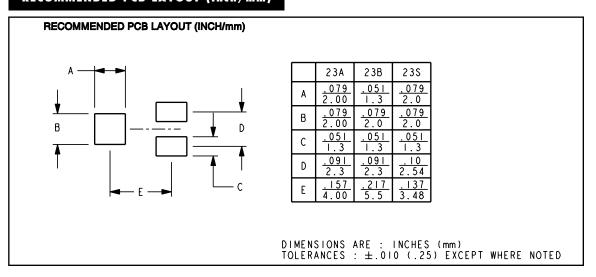
Model 23A, B, S







# RECOMMENDED PCB LAYOUT (Inch/mm)



# STANDARD RESISTANCE VALUES, OHMS

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

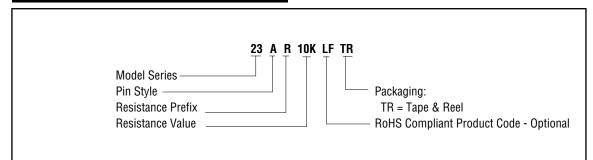
### PACKAGING

**Standard:** Embossed Tape

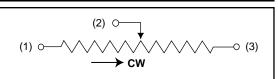
All units oriented with #2 (slider) terminal adjacent to sprocket holes.

	Pin Style		A,B	S
Tape	Width	=	12 mm	12 mm
	Sprocket	=	4 mm Pitch	4 mm Pitch
	Capacity	=	500 Units	200 Units
Reel	Diameter	=	7" (178 mm)	7" (178 mm)

### ORDERING INFORMATION



#### CIRCUIT DIAGRAM



#### NOTES

English equivalents are based on 1 inch  $\,=\,25.4mm$  and are provided for general information only.

Tolerances unless otherwise specified: Linear =  $\pm$  0.3 mm (.01 inches)

