MODEL 23A, B, S

4mm Square Sealed Single Turn Surface Mount Cermet Trimming

Potentiometer

ELECTRICAL



Standard Resistance Range, Ohms	10 to 2Meg
Standard Resistance Tolerance	±20%
Input Voltage, Maximum	200 Vdc or rms not to exceed power rating
Power Rating, Watts	0.25 at 70°C derating to 0 at 125°C
End Resistance, 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

Seal	85°C Fluorinert® (No Leaks)
Temperature Coefficient, Maximum	±100ppm/°C (<200 Ohms, >1Meg = ±250ppm/°C)
Operating Temperature Range	–55°C to +125°C
Thermal Shock	5 cycles, -55°C to +125°C (2% ΔRT, 2% ΔVR)
Moisture Resistance	Ten 24 hour cycles (3% ΔRT)
Shock, 6ms Sawtooth	100G's (1% ΔRT, 1% ΔVR)
Vibration	20G'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 (5% ΔRT)
Load Life at 0.25 Watts	1,000 hours at 70°C (3% ΔRT, 1% ΔVR)
Resistance to Solder Heat	260°C for 10 sec. (1% ΔRT)

MECHANICAL

Mechanical Stops	Solid
Stop Strength, Minimum	4 ozin. (300 gr-cm)
Torque, Maximum	2 ozin. (150 gr-cm)
Weight, Nominal	.005 oz. (0.14 grams)

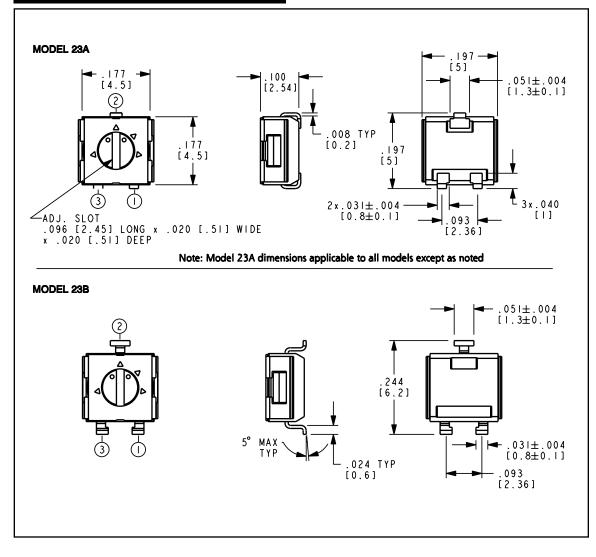
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TOP ADJUSTMENT (Inch/mm)

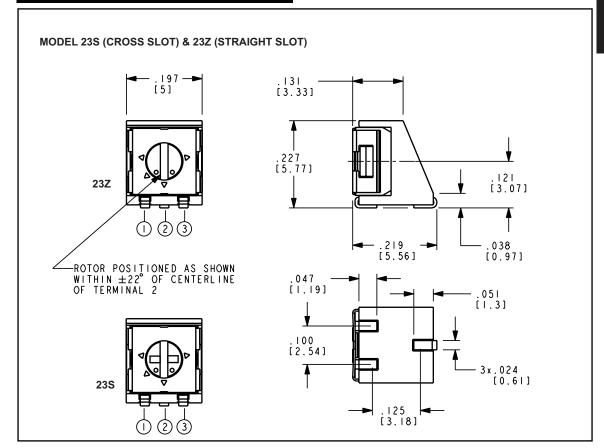




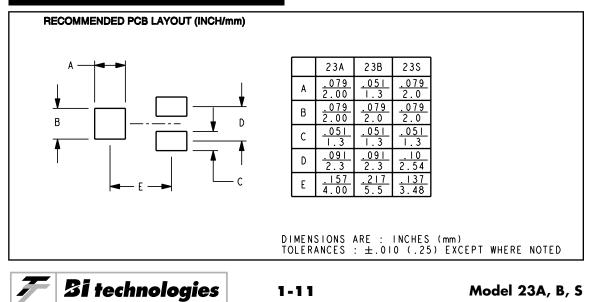
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SIDE ADJUSTMENT (Inch/mm)



RECOMMENDED PCB LAYOUT (Inch/mm)



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STANDARD RESISTANCE VALUES, OHMS

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

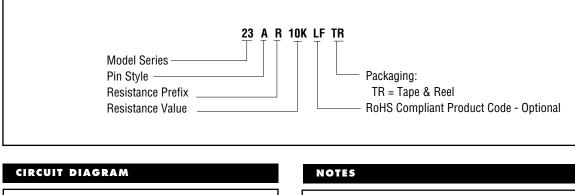
PACKAGING

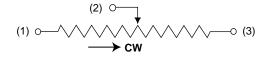
Standard: Embossed Tape

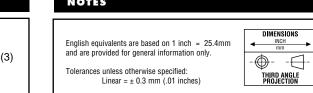
All units oriented with #2 (slider) terminal adjacent to sprocket holes.

	Pin Style		A,B	S
Таре	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







F Bi technologies

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