

1 1/16" Ø SINGLE TURN BUSHING MOUNT POTENTIOMETERS WIREWOUND ELEMENT

- LOW COST – Precision design
- Dual collector pick-off assures outstanding vibration and shock performance
- Housing: moisture resistant, thermo-setting plastic.
- 1 watt power rating at 40°C.
- Stainless steel shaft.

SPECIFICATIONS		MODEL 3437 1 1/16" Ø
Electrical Characteristics		
Resistance Range		50 Ω – 50KΩ
Resistance Tolerance		±5%
Linearity (Independent)		±0.5% max.
Effective Electrical Angle		320° ±5°
Noise		100 Ω max.
Power Rating	40°C	1.0 W
	80°C	0 W
Resolution		see ordering information
Dielectric Strength		MIL-R-12934
Sea Level		500 V ~ min.
Insulation Resistance 500 V =		1000 Meg Ω min.
Environmental Characteristics		
Operating Temperature Range		-15 °C to +80 °C
Temperature Coefficient		(of wire) 20 ppm/°C max.
Vibration		10 G, 10-500 CPS
Wiper Bounce		0.1 millisecond max.
Shock		15 G
Wiper Bounce		0.1 millisecond max.
Load Life		1000 hours
Resistance Shift		5% max.
Mechanical and Physical Characteristics		
Mechanical Angle		continuous
Rotational Life, shaft revolutions		200,000
Torque, Starting and Running		2.0 oz.-in. max.
Weight		approx. 30 g
Terminals		Gold-plated turrets
Markings:		Manufacturer's name and part number, resistance value and tolerance, linearity tolerance, wiring diagram, date code

Specifications are subject to change without notice.

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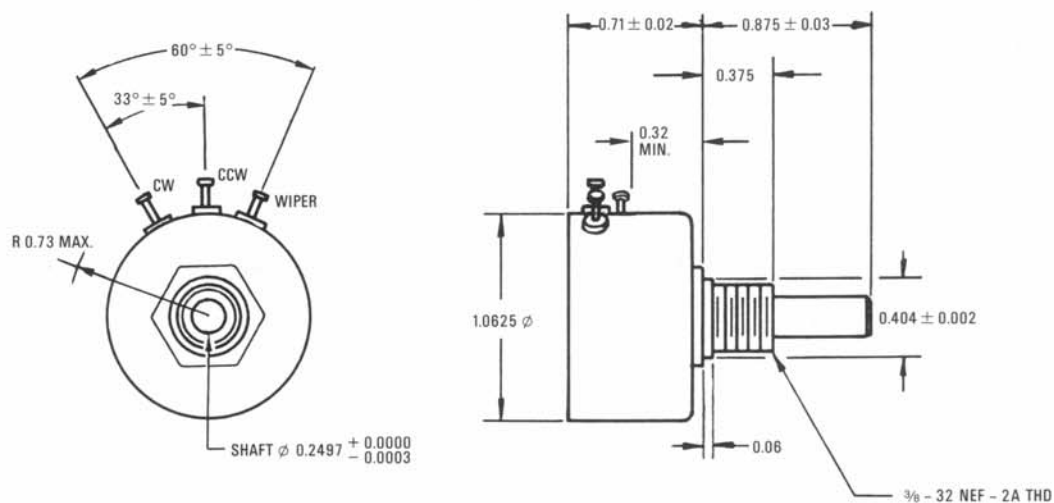
ORDERING INFORMATION		
Resistance Ω	Part Number*	Resolution %
50	3437S-1-500	0.371
100	3437S-1-101	0.285
200	3437S-1-201	0.233
500	3437S-1-501	0.174
1,000	● 3437S-1-102	0.143
2,000	3437S-1-202	0.111
5,000	● 3437S-1-502	0.103
10,000	● 3437S-1-103	0.095
20,000	3437S-1-203	0.071
50,000	3437S-1-503	0.054

*The last three digits of the part number represent the resistance in standard code.

● Preferred resistance values

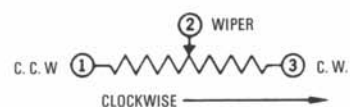
NOTES: Available with Hybritron® element

DIMENSIONS (INCH)



NOTE:
LOCKWASHER & HEX NUT TO BE
SUPPLIED WITH UNIT.

TOLERANCES: XX = ± 0.01
XXX = ± 0.005 EXCEPT
WHERE NOTED



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