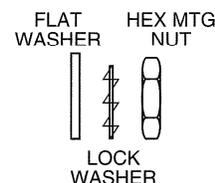
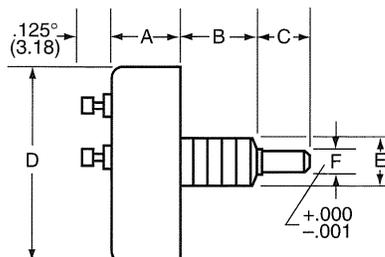
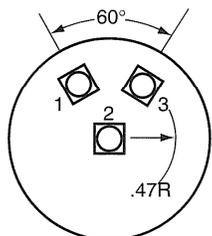


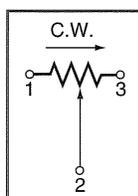
# ROTARY PRECISION POTENTIOMETERS

## H-151 SERIES

### 1½" DIAMETER, WIRE-WOUND, SINGLE-TURN



Lock washers and hex-mtg. nuts supplied with each unit.  
Unless otherwise stated, tolerances are  $\pm .015$  (.38)



**ORDERING INFORMATION**  
H-151 — 5K

Indicate Type Number

Indicate Resistance Value

| DIMENSIONS |       |              |              |              |               |             |             |
|------------|-------|--------------|--------------|--------------|---------------|-------------|-------------|
| Length     |       |              |              | Diameter     |               |             |             |
| Model      | Turns | A (Body)     | B (Bushing)  | C (Shaft)    | D (Overall)   | E (Bushing) | F (Shaft)   |
| H-151      | 1     | .500*(12.70) | .500*(12.70) | .500*(12.70) | 1.500*(38.10) | .375*(9.53) | .250*(6.35) |

NOTE: Metric conversion in mm in brackets

## SPECIFICATIONS

### ELECTRICAL

|                                | STANDARD             |
|--------------------------------|----------------------|
| Power Rating                   | 3.5W @ 40°C          |
| Standard Resistance Range      | 100Ω to 100KΩ        |
| Resistance Tolerance           | ±5% std.             |
| Temperature Coefficient (wire) | ±20ppm/°C max.       |
| Linearity (independent)        | ±0.5%                |
| Noise During Adjustment (ENR)  | 100Ω max.            |
| Absolute Minimum Resistance    | 1Ω or 0.25% (W.I.G.) |
| Insulation Resistance          | 1000MΩ @ 500 VDC     |

### MECHANICAL

|                             | STANDARD       |
|-----------------------------|----------------|
| Operating Temperature Range | -65° to +150°C |
| Total Adjustment Turns      | 1              |
| Mechanical Rotation         | Continuous     |

|                   |                            |
|-------------------|----------------------------|
| Operating Torque  | 2 oz.-in. max.             |
| Mechanical Stops  | Available on special order |
| Electrical Travel | 350° ±5°                   |

### ENVIRONMENTAL

Model H-151 meets, or exceeds, all of the environmental and life requirements of MIL-R-39002.

| Standard Resistance Values Available (Ω) | Nominal Resolution (%) |
|--|------------------------|
| 100                                      | 0.18                   |
| 500                                      | 0.12                   |
| 1K                                       | 0.09                   |
| 2.5K                                     | 0.09                   |
| 5K                                       | 0.075                  |
| 10K                                      | 0.058                  |
| 25K                                      | 0.046                  |
| 100K                                     | 0.031                  |

Higher values available—consult factory.