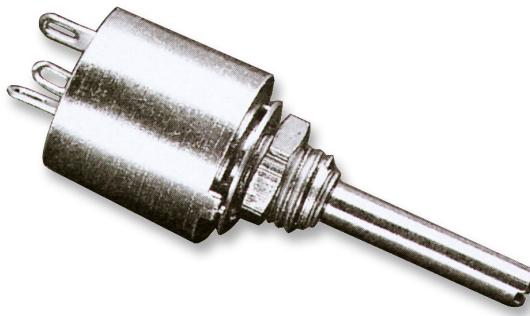


MIL Style RV6 - 1/2 Watt Carbon Potentiometer



For more information about this product, visit our website at:
www.potentiometers.com

Series S/RV6 potentiometers are suitable for applications requiring high reliability and a compact size.

Features

- Hot molded carbon element
- One piece brass housing and bushing
- Stainless steel shaft
- Compact size
- Meets or exceeds specifications of MIL-R-94
- QPL Listed
- Commercial equivalent, see [Series S](#)

Options

- special tapers
- custom shafts and bushings
- customer specified marking

Mechanical Specifications

- Mechanical Rotation: 295°
- Operating Torque: .5 oz/in to 6 oz/in
- Rotational Life: 25,000 cycles

Environmental Specifications

- Operating Temperature: -65 °C to +125 °C
- Resistance to Soldering Heat: 350 °C to 5 seconds
- Humidity Range: per Mil-R-94
- Vibration Range: per Mil-R-94
- Shock Resistance: per Mil-R-94
- Load Life: 1000 hr at 70 °C

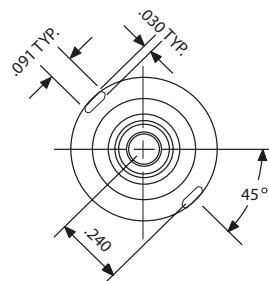
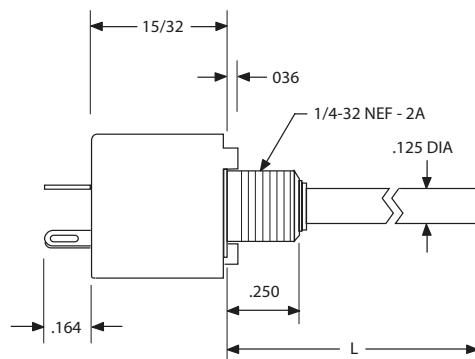
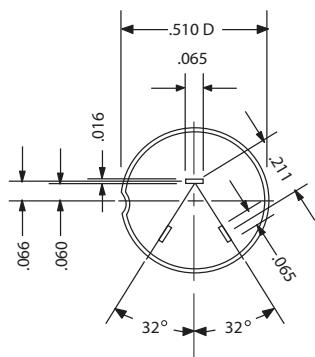
Electrical Specifications

- Resistance Range-linear taper: 100 ohms to 5 meg
- Resistance Range-log taper: 150 ohms to 1 meg
- Resistance Tolerance: ±10% or ±20%
- Resistance Taper: linear, log, reverse log
(other tapers by special order)
- Power Rating: 5 watts @ 70 °C derated to 0 watts @ 120 °C
- Insulation Resistance: 10K Meg (dry); 100K Meg (wet)
- Dielectric Strength: 750 V RMS at sea level
- Operating Voltage: 350 V subject to power rating

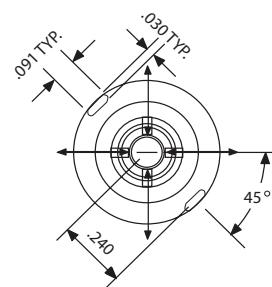
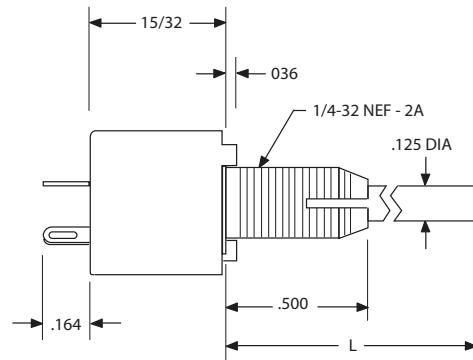
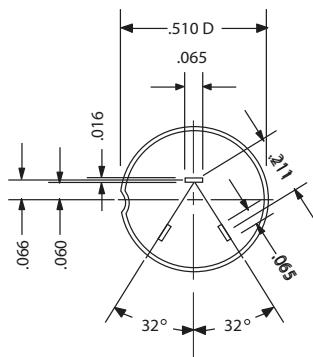
MIL Style RV6 - 1/2 Watt Carbon Potentiometer

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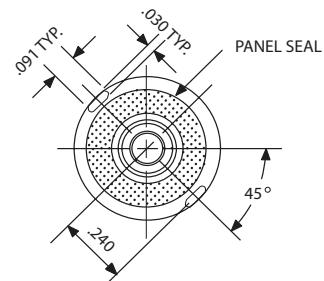
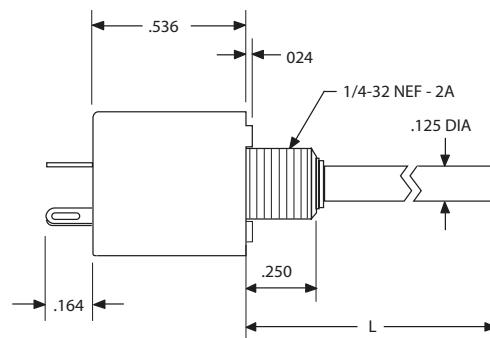
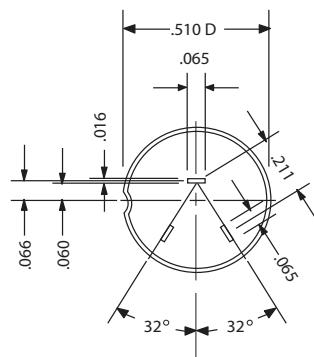
Standard Configuration



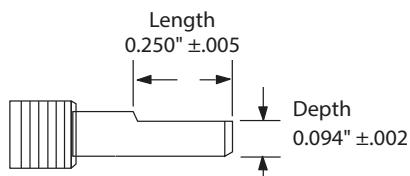
Locking Bushing



Panel Seal



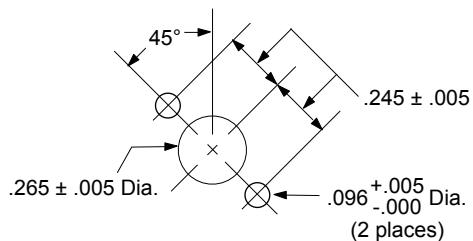
Flattened Shaft



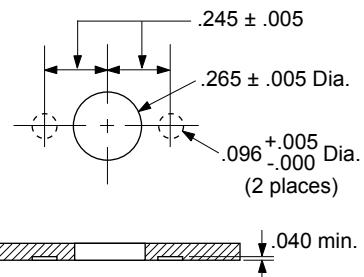
.Note:
Flattened Shaft is not available if
Locking Option is selected.

MIL Style RV6 - 1/2 Watt Carbon Potentiometer

Panel Mounting Holes



Mounting dimensions for units with plain bushings, shaft watertight bushings, and locking bushings



Mounting dimensions for panel watertight units

Ordering Information - Military Part Numbers

Carbon or Conductive Plastic element available

Style	Bushing	Switch	Temperature and Moisture Characteristics:	Shaft Style:	Shaft Length:	Resistance Value:	Taper and Tolerance:
RV6 = MIL style RV6	N = Standard L = Locking S = Panel & Shaft Seal	A = Without Switch	Y = as per MIL-R-94	S = Slotted F = Flattened	L = 3/8" B = 1/2" A = 5/8" D = 7/8"	Total Resistance Value in Ohms: First 2 numbers are significant digits, 3rd number is the number of zeros.	A = Linear ±10% B = Linear ±20% C = Log ±10% D = Log ±20% E = Rev. Log ±10% F = Rev. Log ±20%

Example Part Number: RV6LAYS103A

Note: not all part number combinations are valid.

More options and combinations are available on commercial versions

Ordering Information - Commercial Part Numbers

Carbon element standard.

Conductive Plastic available in some configurations. Contact sales rep for information.

Series	Bushing	Bushing Length:	Taper	Resistance Value:	Tolerance:	Shaft Style:	Shaft Length:
S = Series S	blank = Std. L = Locking W = Panel & Shaft Seal	blank = 1/4" 6 = 3/8"	U = Linear A = Log B = Rev. Log	Total Resistance Value in Ohms: First 2 numbers are significant digits, 3rd number is the number of zeros.	1 = 10% of Nominal 2 = 20% of Nominal	R = Round S = Slotted F = Flattened	16 = 1/2" 20 = 5/8" 24 = 3/4" 28 = 7/8" 32 = 1" 36 = 1 1/8"

Example Part Number: SLA1031S20

Note: not all part number combinations are valid.

For more information about this product, visit our website at: www.potentiometers.com

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