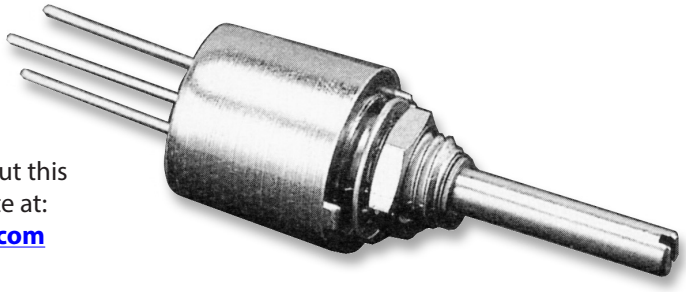
MIL Style RV8 - 1/2 Watt Carbon Potentiometer

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



Series SPR/RV8 potentiomters are for PCB applications requiring a rugged potentiometer

Features

- Hot molded carbon element
- Board washable
- Stainless steel shaft
- Compact size
- Meets or exceeds specifications of MIL-R-94
- QPL Listed
- Commercial equivalent, see **Series SPR**

Options:

- Special tapers
- Custom shafts and bushings
- Location tab position
- Customer specified marking

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

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

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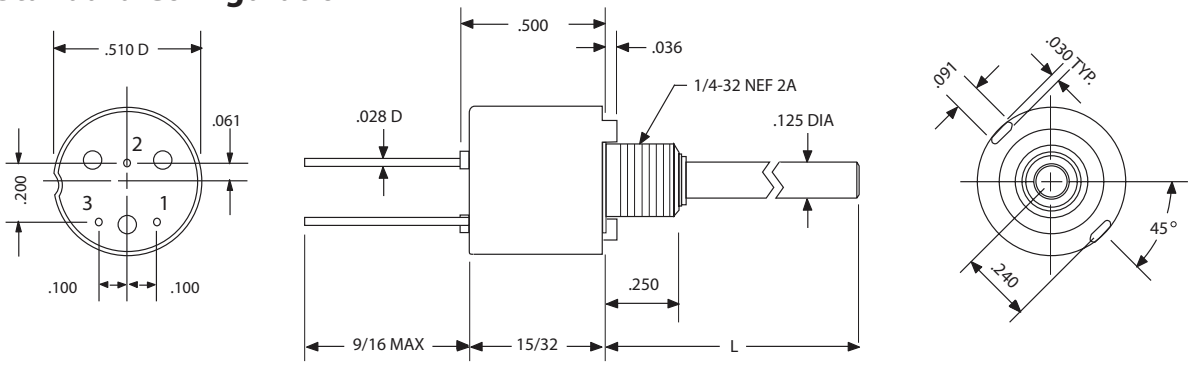
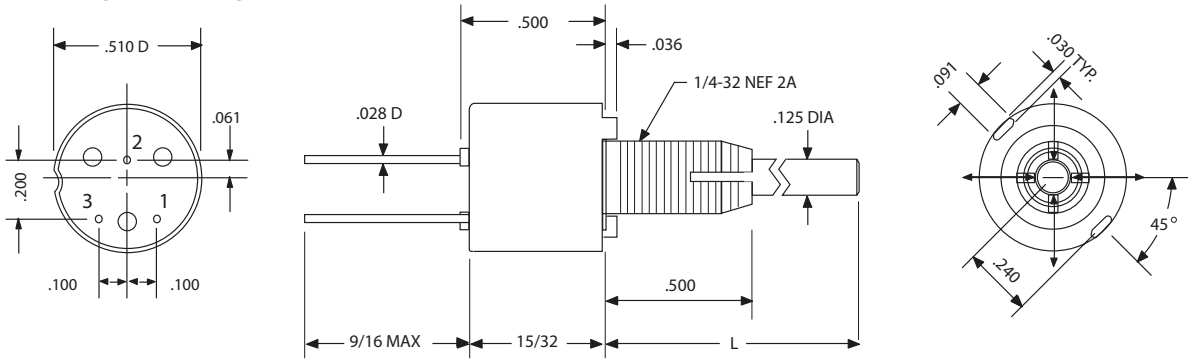
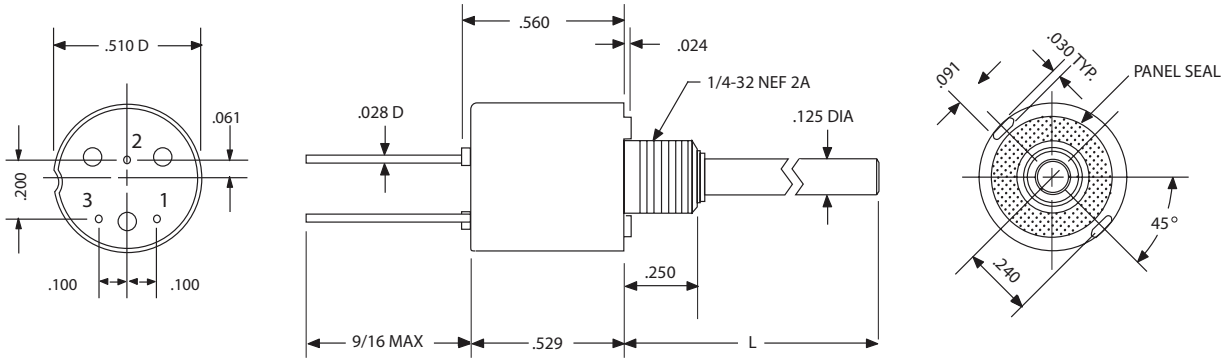
Standard Configuration



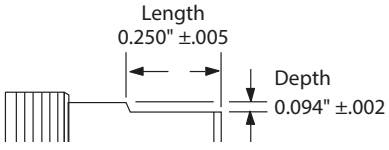
Locking Bushing



Panel Seal



Flatted Shaft



Note:
Flatted Shaft is not available if
Locking Option is selected

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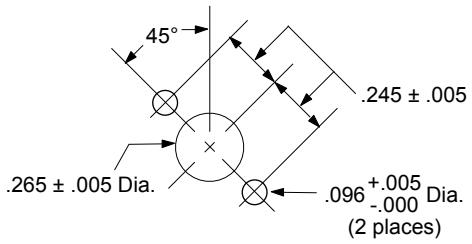
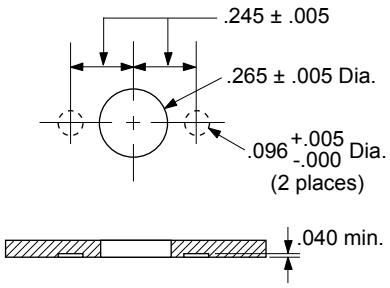
Panel Mounting Holes



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



Mounting dimensions for panel watertight units

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:
SPR = Series SPR	**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** = Flatted	**16** = 1/2" **20** = 5/8" **24** = 3/4" **28** = 7/8" **32** = 1"

Example Part Number: SPRU2521R20

Note: not all part number combinations are valid.

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:
RV8 = MIL style RV8	**N** = Standard **L** = Locking **S** = Panel & Shaft Seal	**A** = Without Switch	**Y** = as per MIL-R-94	**S** = Slotted **F** = Flatted	**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: RV8NAYSB103A

Note: not all part number combinations are valid.

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