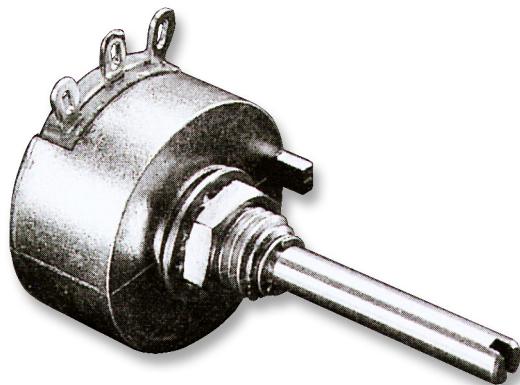


# MIL Style RV5 - 1/2 Watt Carbon Potentiometer

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For more information about this product, visit our website at:  
[www.potentiometers.com](http://www.potentiometers.com)



***Series RV5 potentiometers provide a low profile with lateral lug terminals.***

## Features

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

## Options:

- Special tapers
- Custom shafts
- Customer specified marking

## Mechanical Specifications

- Mechanical Rotation: 300°
- Operating Torque: 1 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)

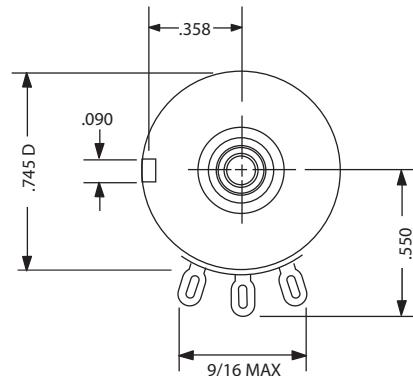
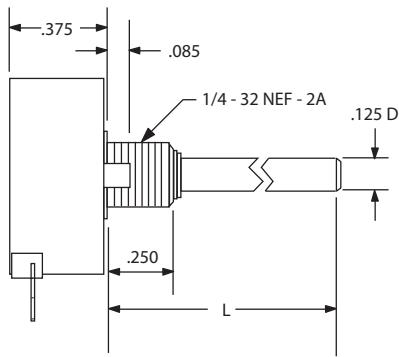
Power Rating: .5 watts @ 70 °C derated to 0 watts @ 120 °C

Insulation Resistance: 10K Meg (dry); 100K Meg (wet)

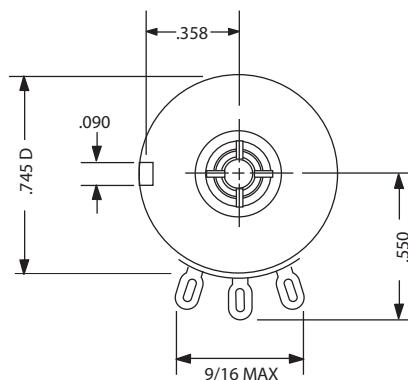
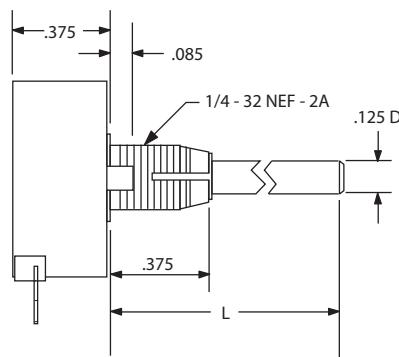
Dielectric Strength: 750 V RMS at sea level

Operating Voltage: 350 V subject to power rating

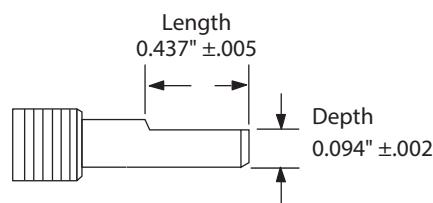
## Standard Configuration



## Locking Bushing



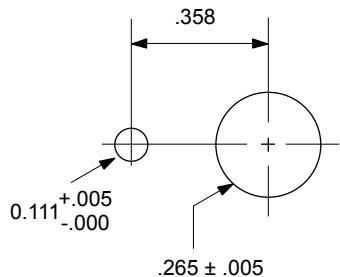
## Flatted Shaft



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

# MIL Style RV5 - 1/2 Watt Carbon Potentiometer

## Panel Mounting Holes



Mounting dimensions for standard potentiometer

### 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:
T = Series T	blank = Std. L = Locking	blank = 1/4"	U = Linear A = Log B = Rev. Log	<b>Total Resistance Value in Ohms:</b> 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"

#### Example Part Number: TU5021S28

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:
RV5 = MIL style RV5	N = Standard L = Locking	A = Without Switch	Y = as per MIL-R-94	S = Slotted	L = 3/8" B = 1/2" A = 5/8" D = 7/8"	<b>Total Resistance Value in Ohms:</b> 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: RV5NAYS103A

Note: not all part number combinations are valid.

More options and combinations are available on commercial versions

For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)

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