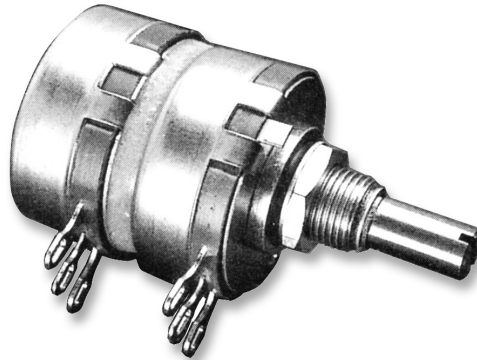


For more information about this product, visit our website at:
www.potentiometers.com



Series 2RV7 potentiometers are suitable for both military and commercial applications requiring multiple elements. These units can be customized to meet special requirements.

Features

- Hot molded carbon element
- Gold plated terminals
- Stainless steel shaft and housing
- Meets or exceeds specifications of MIL-R-94
- QPL Listed
- Commercial equivalent, see [Series KK](#)

Options:

- Custom shafts and bushings
- Special tapers
- Fourth (center) terminal
- Concentric shafts
- Attached switches

Electrical Specifications

Resistance Range-linear taper: 50 ohms to 5 meg
Resistance Range-logarithmic taper: 150 ohms to 1 meg
Resistance Tolerance: $\pm 10\%$ or $\pm 20\%$
Resistance Taper: linear, log, reverse log
(other tapers by special order)
Power Rating: 2 watts @ 70 °C derated to 0 watts @ 120 °C
Insulation Resistance: 10K Meg (dry); 100K Meg (wet)
Dielectric Strength: 900 V RMS at sea level
Operating Voltage: 500 V subject to power rating

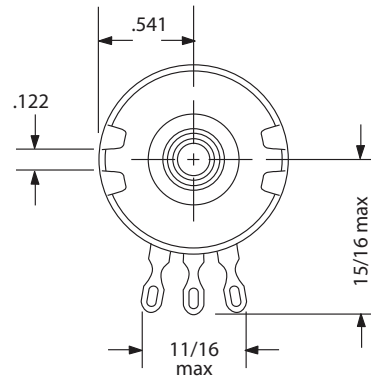
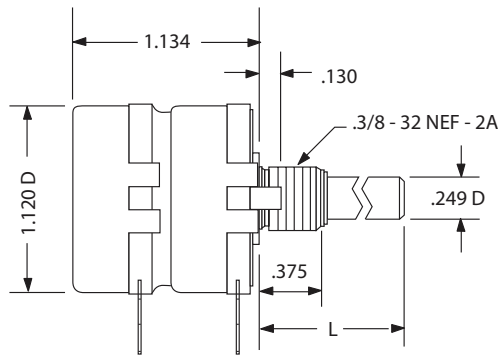
Mechanical Specifications

Mechanical Rotation: 314°
Operating Torque: 1 oz/in to 12 oz/in
Rotational Life: 25,000 cycles

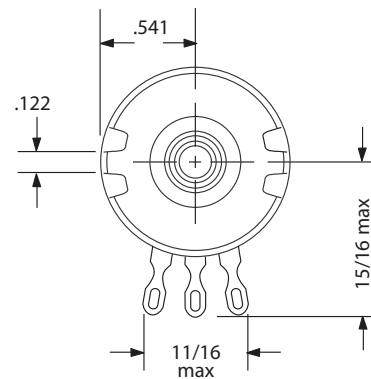
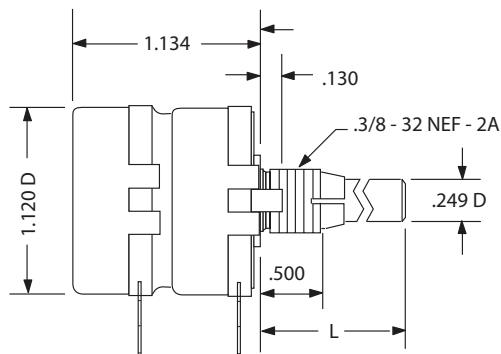
Environmental Specifications

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

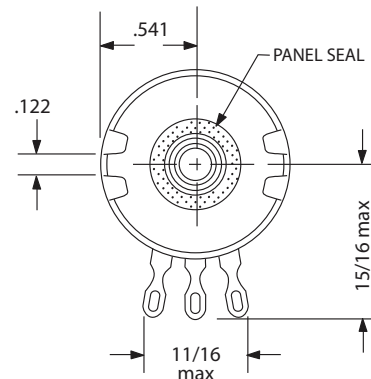
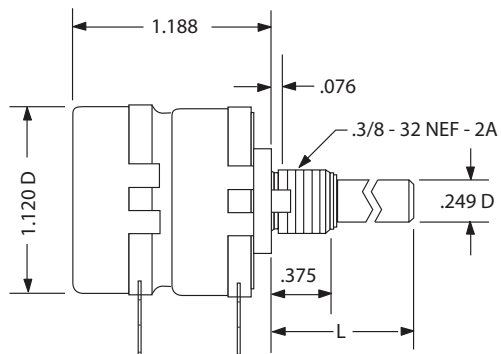
Standard Configuration



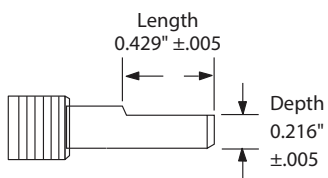
Locking Bushing



Panel Seal

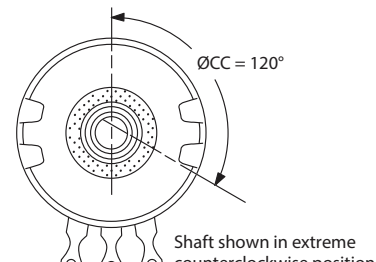


Flatted Shaft



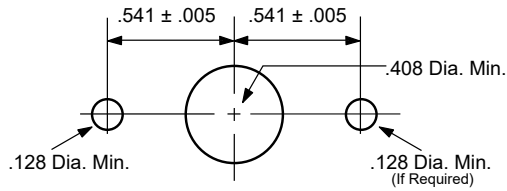
Notes:

1. Flatted Shaft is not available with Locking or Shaft Seal Options
2. Flat will extend to within 0.031" (0.79) of potentiometer shaft

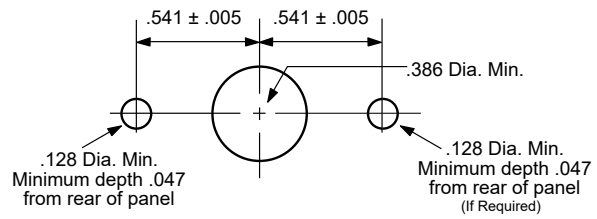


MIL Style 2RV7 - 2 Watt Dual Carbon Potentiometer

Panel Mounting Holes



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



Mounting dimensions for units with panel watertight bushings

Ordering Information - Commercial Part Numbers

Carbon element standard.

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

Series	Bushing	Switch	Taper	Resistance Value:	Tolerance:	Shaft Style:	Shaft Length:
KK = Series KK - dual element KKK = Series KKK - triple element	blank = Stand. L = Locking W = Panel & Shaft Seal	blank = No Switch S = SPST Switch	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" 40 = 1 1/4" 48 = 1 1/2" 64 = 2" 80 = 2 1/2" 96 = 3"

Example Part Number: KKK1031S16

Note: A switch section, if selected, will be the second section for a KK unit, or the third section for a KKK unit

Note: not all part number combinations are valid.

Ordering Information - Military Part Numbers

Carbon or Conductive Plastic element available

Style	Bushing	Temperature and Moisture Characteristics:	Shaft Style:	Shaft Length:	Resistance Value:	Taper and Tolerance:
2RV7 = MIL style 2RV7	N = Standard L = Locking S = Panel & Shaft Seal	Y = as per MIL-R-94	S = Slotted F = Flatted	B = 1/2" A = 5/8" D = 7/8" G = 1 1/4" J = 2" K = 2 1/2"	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: 2RV7NYSD103103A

Note: not all part number combinations are valid.

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

