



### Precision Series KK - 2 Watt multiple element 1/4" shaft diameter



Precision series KK/2RV7 potentiometers are suitable for both military and commercial applications requiring multiple elements. They can easily be customized to meet special requirements.

#### **FEATURES:**

- · hot molded carbon element
- gold-plated terminals
- stainless-steel shaft and housing
- quality meeting or exceeding MIL-R-94 QPL listed

## **ELECTRICAL SPECIFICATIONS:**

**Resistance range, linear taper:** 50  $\Omega$  to 5 Meg  $\Omega$ 

**Resistance range, logarithmic taper:** 150  $\Omega$  to 1 Meg  $\Omega$ 

Resistance tolerance: ±10% or ±20%

**Resistance taper:** linear, logarithmic, reverse logarithmic; other tapers by special order

Power rating: 2 watts at 70°C derated to 0 watts at 120°C

Insulation resistance: dry: 10K Meg  $\Omega$ wet: 100K Meg  $\Omega$ 

Dielectric strength: 900 V RMS at sea level

Operating voltage: 500 V, subject to power rating

## **ENVIRONMENTAL SPECIFICATIONS:**

Operating temperature: - 65°C to +125°C Resistance to soldering heat: 350°C for 5 seconds Humidity range: per MIL-R-94 Vibration range: per MIL-R-94 Shock resistance: per MIL-R-94

Load life: 1000 hours at 70°C

#### **OPTIONS:**

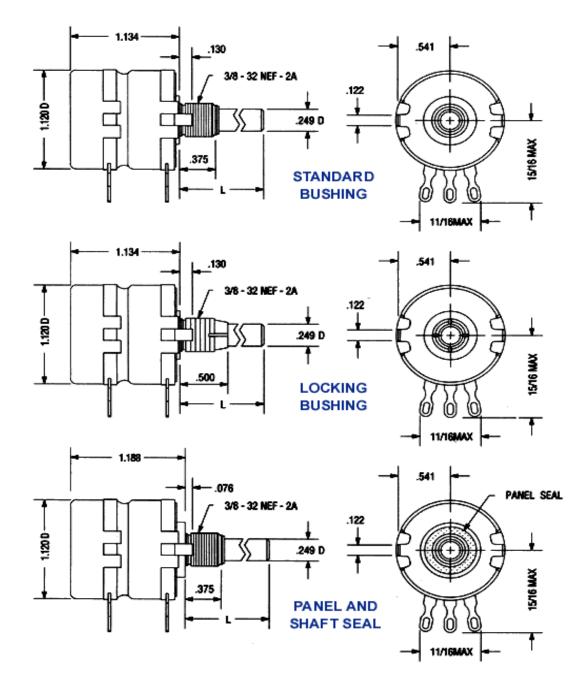
- · custom shafts and bushings
- special tapers
- fourth (center) terminal
- concentric shafts
- attached switches

# **MECHANICAL SPECIFICATIONS:**

Mechanical rotation: 314° Operating torque: 1 oz/in to 12 oz/in Rotational life: 25,000 cycles



# **DRAWING:**





# **ORDERING INFORMATION:**

Series	Bushing	Switch	Taper	Resistance Value	Tolerance	Shaft Style	Shaft Length
<b>KK =</b> series KK - dual element	Blank = standard	Blank = without switch	U = linear	Total resistance value in $\Omega$ : first 2 digits significant, third digit =	<b>1</b> = 10% of nominal	R = round S = slotted F = flatted	-
<b>KKK</b> = series KKK - triple element	L = locking	<b>S</b> = SPST switch	<b>A =</b> logarithmic	number of zeroes	<b>2 =</b> 20% of nominal		<b>28</b> = 7/8" ( = 1"
	W = panel & shaft steel		<b>B</b> = reverse logarithmic				<b>40</b> = 1 1/4" <b>48</b> = 1 1/2" <b>64</b> = 2"
							<b>80 =</b> 2 1/2" <b>96 =</b> 3"

Style	Bushing	Temperature & Moisture Characteristics	Shaft Style	Shaft Length	Resistance Value	Taper & Tolerance
<b>2RV7 =</b> MIL style 2RV7	N = standard L = locking S = panel & shaft steel	<b>Y</b> = as per MIL-R-94		B = 1/2" A = 5/8" D = 7/8" G = 1 1/4" J = 2" K = 2 1/2"	Total resistance value in Ω: first 2 digits significant, third digit = number of zeroes	<ul> <li>A = linear 10%</li> <li>B = linear 20%</li> <li>C = logarithmic 10%</li> <li>D = logarithmic 20%</li> <li>E = reverse logarithmic 10%</li> <li>F = reverse logarithmic 20%</li> </ul>