



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

OPTIONS:

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

ELECTRICAL SPECIFICATIONS:

Resistance range, linear taper: 50 Ω to 5 Meg Ω

Resistance range, logarithmic taper: 150 Ω to 1 Meg Ω

Resistance tolerance: $\pm 10\%$ or $\pm 20\%$

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 Ω

wet: 100K Meg Ω

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

MECHANICAL SPECIFICATIONS:

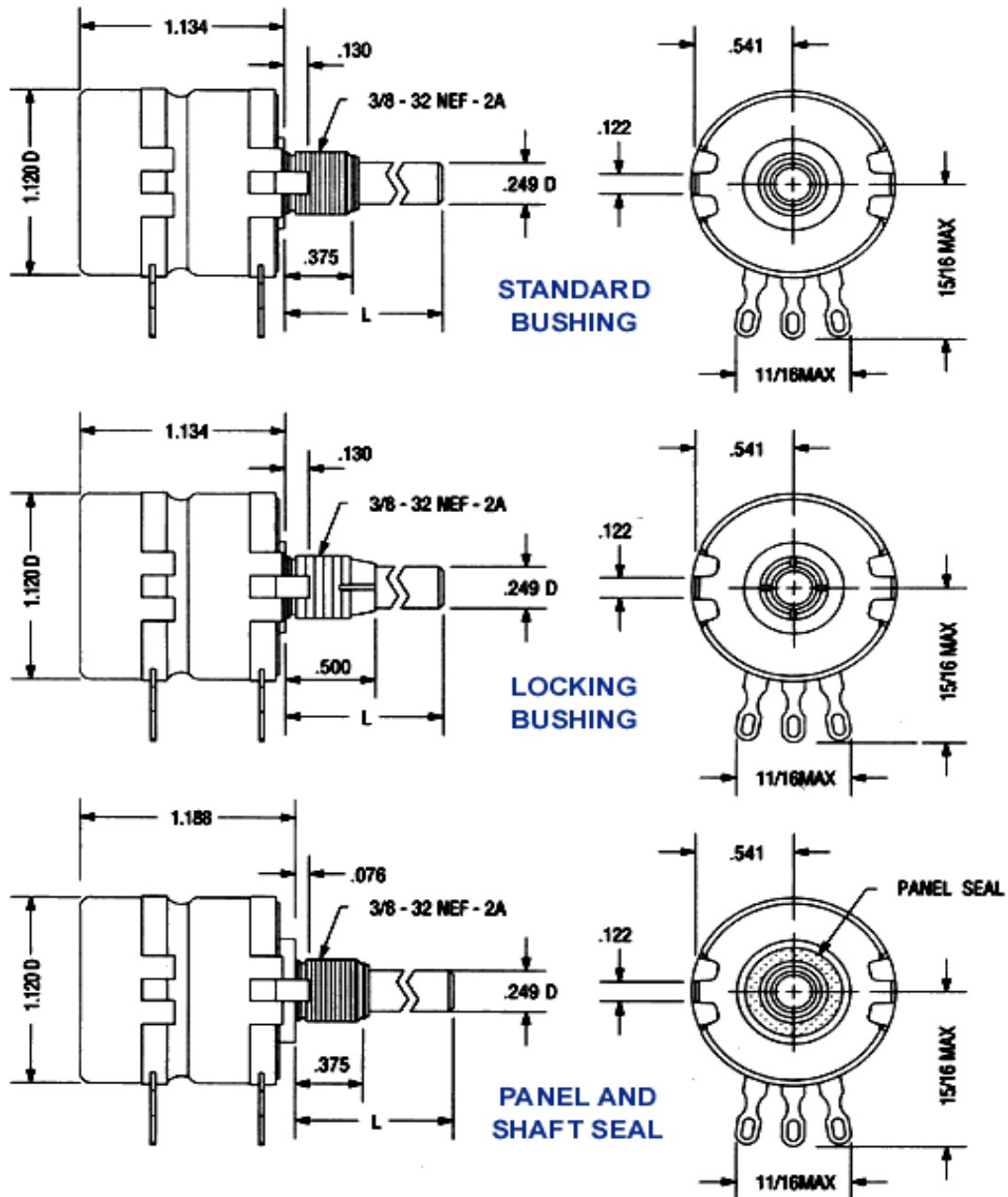
Mechanical rotation: 314°

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
KK = series KK - dual element	Blank = standard	Blank = without switch	U = linear	Total resistance value in Ω: first 2 digits significant, third digit =	1 = 10% of nominal	R = round S = slotted F = flatted	16 = 1/2" 20 = 5/8" 24 = 3/4"
KKK = series KKK - triple element	L = locking W = panel & shaft steel	S = SPST switch	A = logarithmic B = reverse logarithmic	number of zeroes	2 = 20% of nominal		28 = 7/8" 32 = 1" 40 = 1 1/4" 48 = 1 1/2" 64 = 2" 80 = 2 1/2" 96 = 3"

Example: KKU1041S28

note: not all part number combinations are valid

Ordering Information - Military Part Numbers						
Style	Bushing	Temperature & Moisture Characteristics	Shaft Style	Shaft Length	Resistance Value	Taper & Tolerance
2RV7 = MIL style 2RV7	N = standard L = locking S = panel & shaft steel	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 Ω: first 2 digits significant, third digit = number of zeroes	A = linear 10% B = linear 20% C = logarithmic 10% D = logarithmic 20% E = reverse logarithmic 10% F = reverse logarithmic 20%

Example: RV4NAYSB000A
note: not all part number combinations are valid