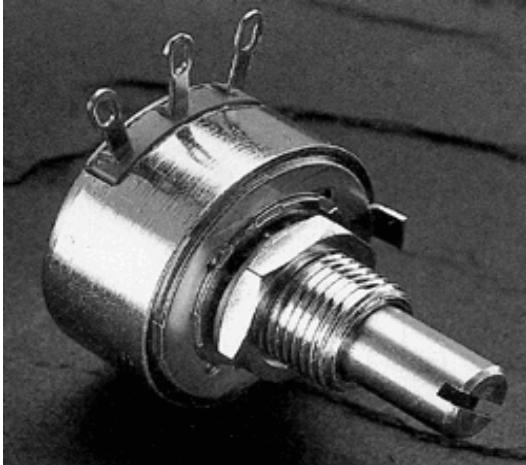




Precision Series N - 1 Watt 1/4" shaft diameter



Precision series N/RV2 potentiometers are suitable for both military and commercial applications. They can easily be customized to meet special requirements.

FEATURES:

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

OPTIONS:

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

ELECTRICAL SPECIFICATIONS:

Resistance range, linear taper: 100 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: 1 watt 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

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 for 5 seconds

Humidity range: per MIL-R-94

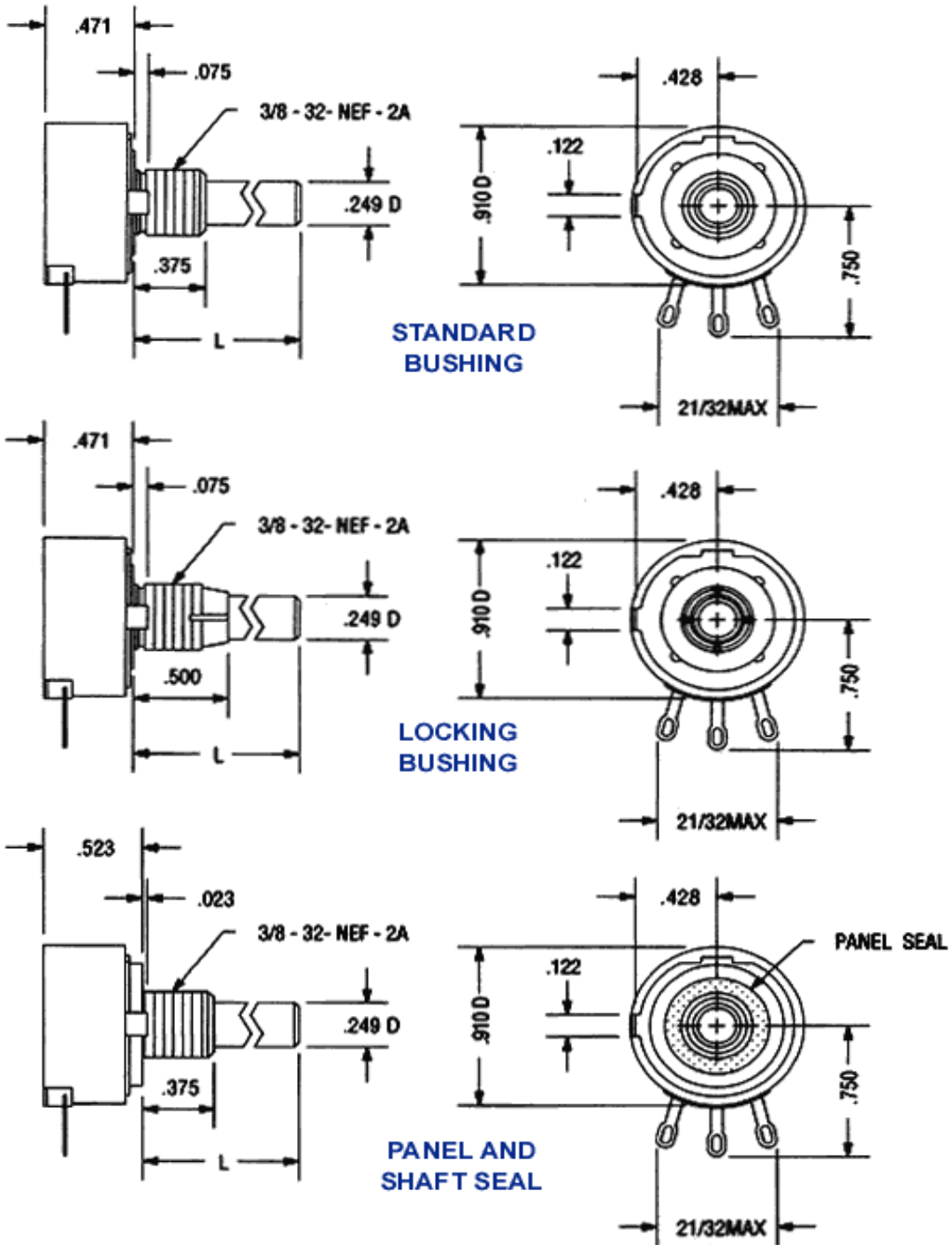
Vibration range: per MIL-R-94

Shock resistance: per MIL-R-94

Load life: 1000 hours at 70°C



DRAWING:





ORDERING INFORMATION:

Ordering Information - Commercial Part Numbers							
Series	Bushing	Switch	Taper	Resistance Value	Tolerance	Shaft Style	Shaft Length
N = series N	Blank = standard L = locking W = panel & shaft steel	Blank = without switch S = SPST switch	U = linear A = logarithmic B = reverse logarithmic	Total resistance value in Ω : first 2 digits significant, third digit = number of zeroes	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" 32 = 1" 40 = 1 1/4"
Example: NLA7511S28 note: not all part number combinations are valid							

Ordering Information - Military Part Numbers							
Style	Bushing	Switch	Temperature & Moisture Characteristics	Shaft Style	Shaft Length	Resistance Value	Taper & Tolerance
RV2 = MIL style RV2	N = standard L = locking S = panel & shaft steel	A = without switch B = SPST switch	Y = as per MIL-R-94	S = slotted F = flattened	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: RV2NAYSD751C note: not all part number combinations are valid							

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