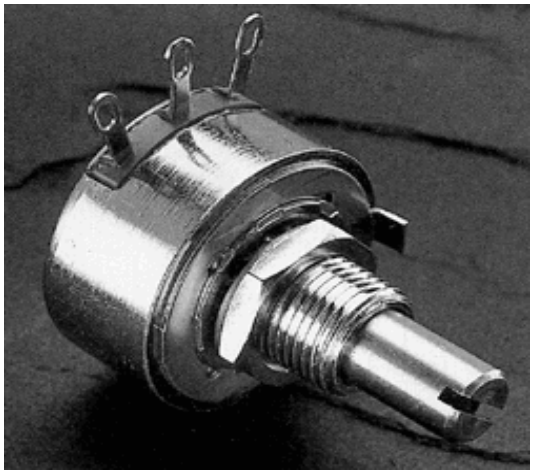
PRECISION

MIL Style RV2

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: ±10% or ±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

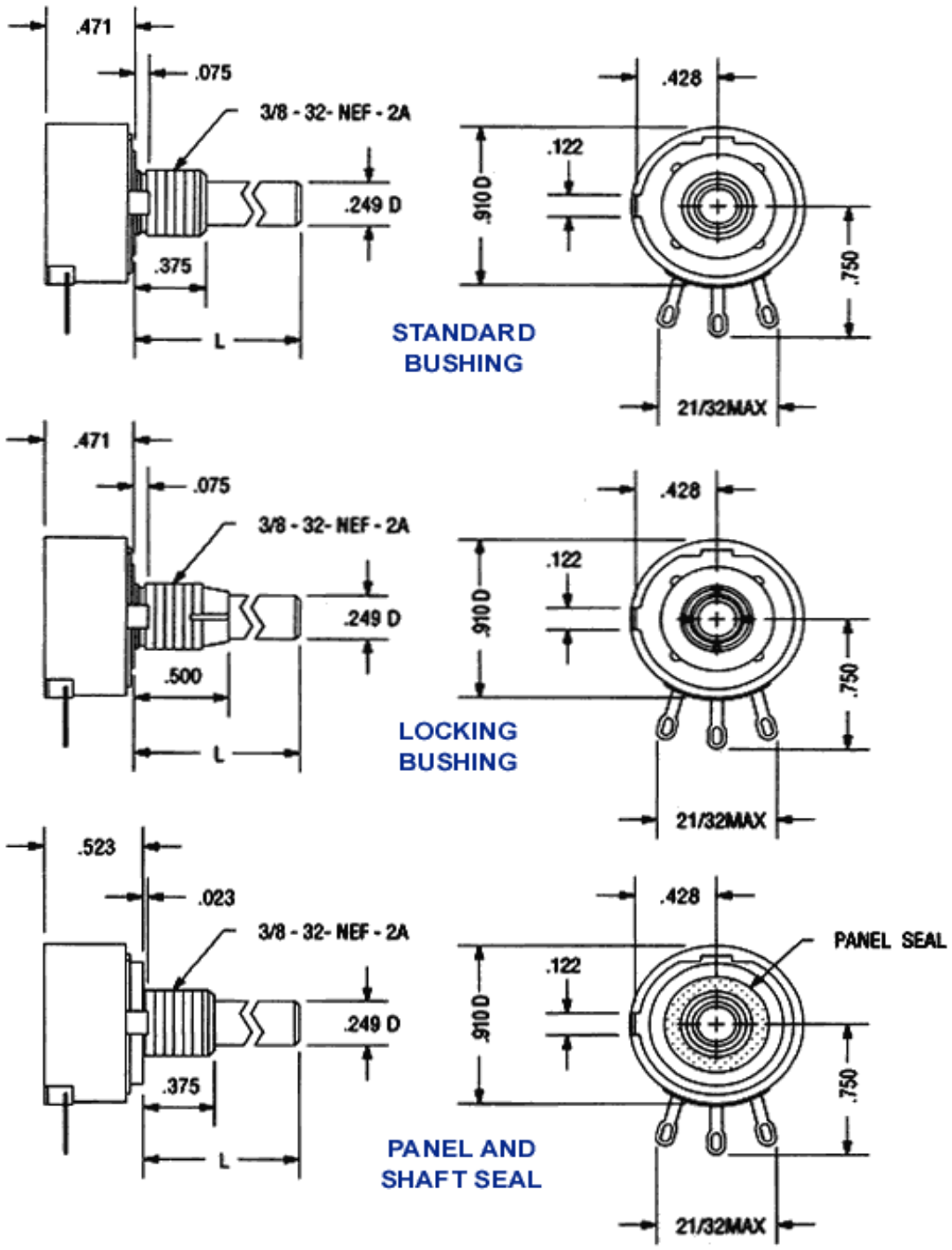
Humidity range: per MIL-R-94

Vibration range: per MIL-R-94

Shock resistance: per MIL-R-94

Load life: 1000 hours at 70°C

DRAWING:


.471
.075
3/8 - 32- NEF - 2A
.249 D
.375
L
.428
.122
.910 D
.750
21/32MAX
STANDARD BUSHING
.471
.075
3/8 - 32- NEF - 2A
.249 D
.500
L
.428
.122
.910 D
.750
21/32MAX
LOCKING BUSHING
.523
.023
3/8 - 32- NEF - 2A
.249 D
.375
L
.428
PANEL SEAL
.122
.910 D
.750
21/32MAX
PANEL AND SHAFT SEAL

PRECISION

MIL Style RV2

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** = flatted	**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** = 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: RV2NAYSD751C **note:** not all part number combinations are valid							

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