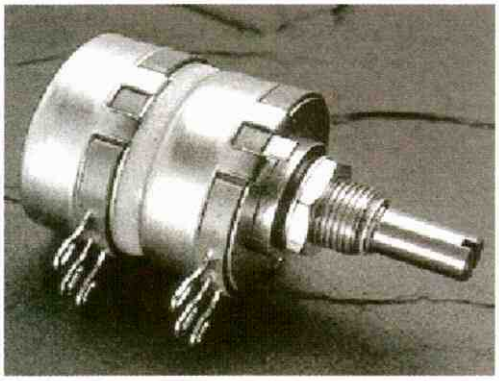
Precision Series POT2X *2 Watt multiple element 1/4" shaft diameter*



Precision series POT2X 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: ±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 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: 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 for 5 seconds

Humidity range: per MIL-R-94

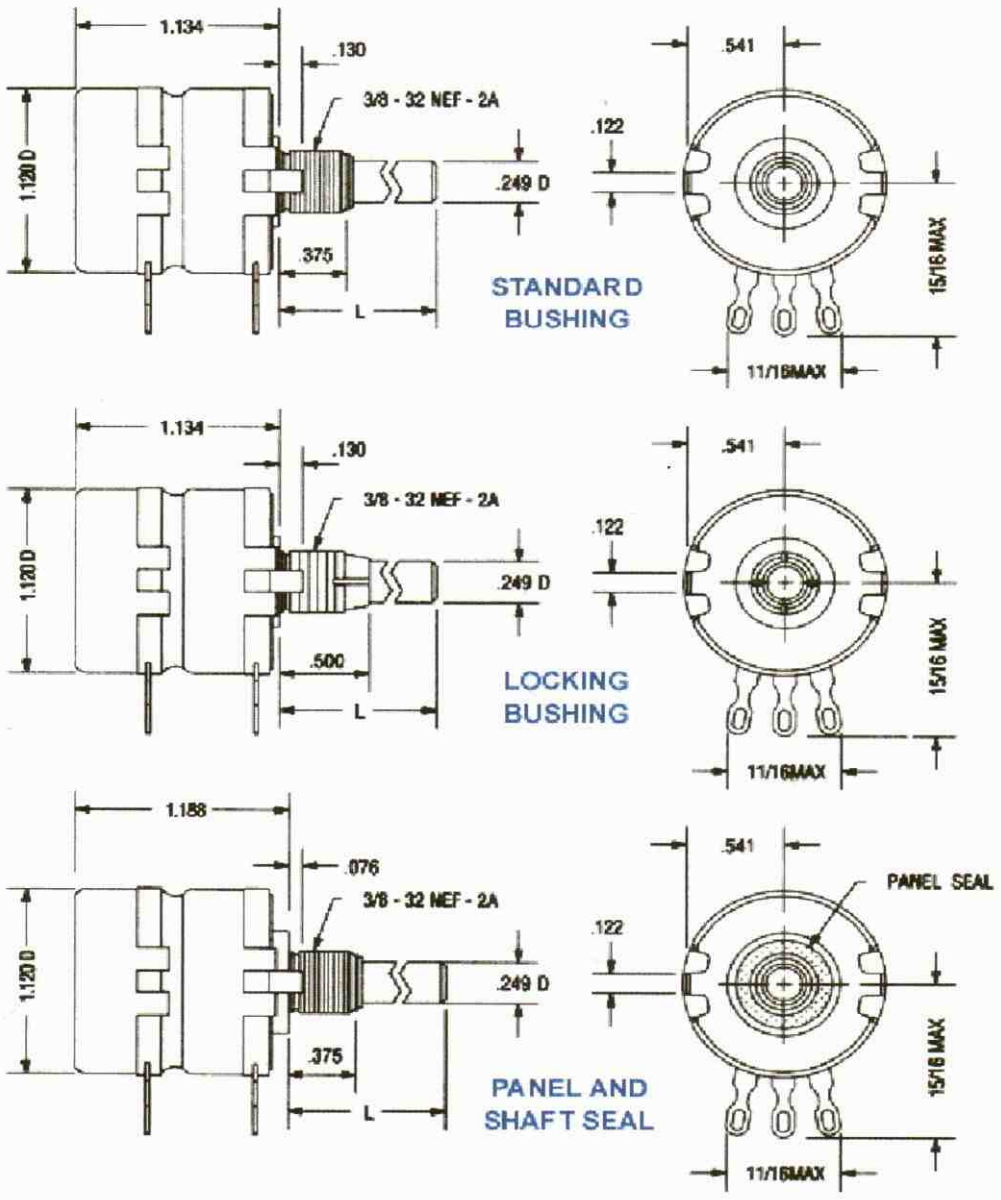
Vibration range: per MIL-R-94

Shock resistance: per MIL-R-94

Load life: 1000 hours at 70°C

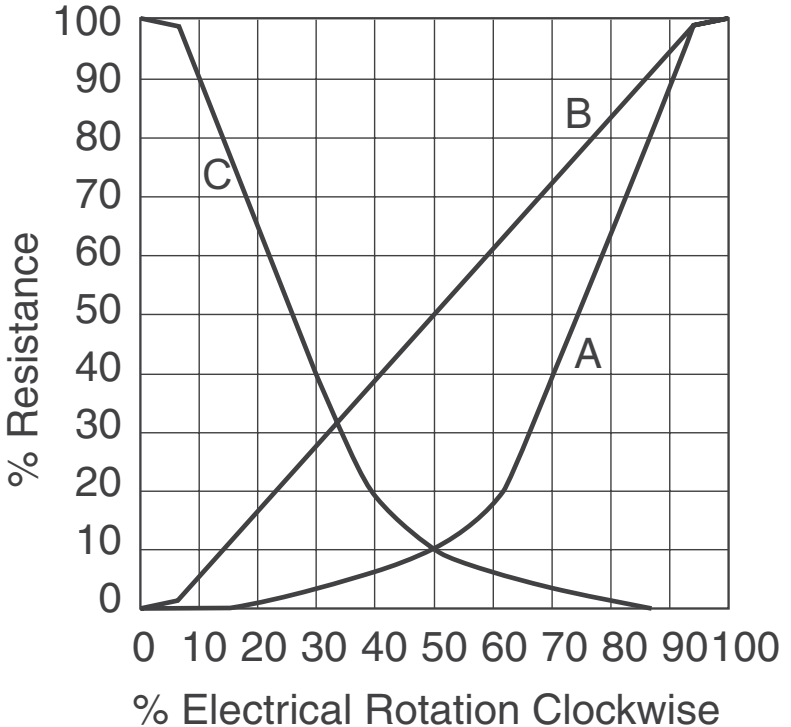
POT2X

DRAWING:



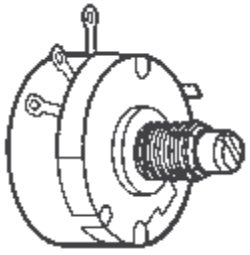
ORDERING INFORMATION:

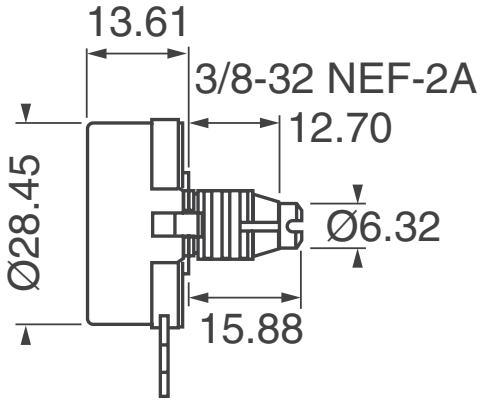
Ordering Information - Commercial Part Numbers							
Series	Bushing	Switch	Taper	Resistance Value	Tolerance	Shaft Style	Shaft Length
POT2X = series POT - dual element **POT3X** = series POT - triple element	**Blank** = standard **L** = locking **W** = panel & shaft steel	**Blank** = without switch **S** = SPST switch	**B=linear** **A** = 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" **48** = 1 1/2" **64** = 2" **80** = 2 1/2" **96** = 3"
Example: POT2X-B-102-2-S-28 **note:** not all part number combinations are valid							



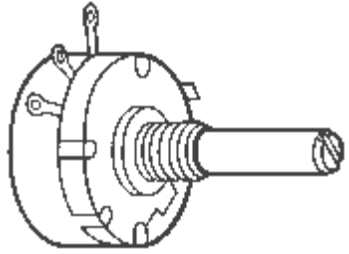
B = Linear Taper
A = Logarithmic Taper
C = Reverse Logarithmic Taper

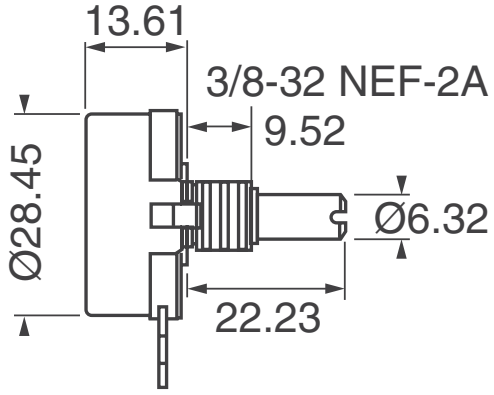
RV4L Series



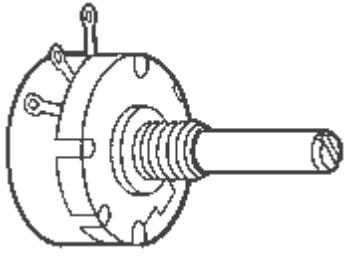


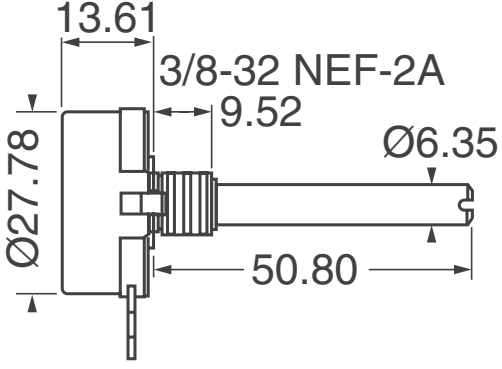
RV4N Series





RV4NJ Series





POT2X (D53C1)