



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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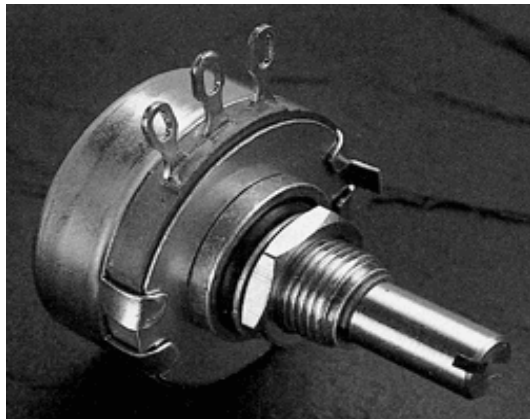
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Precision Series K - 2 Watt 1/4" shaft diameter



Precision series K/RV4 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 and housing
- quality meeting or exceeding MIL-R-94 - QPL listed

OPTIONS:

- custom shafts and bushings
- special tapers
- fourth (center) terminal
- high life
- attached switch

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

MECHANICAL SPECIFICATIONS:

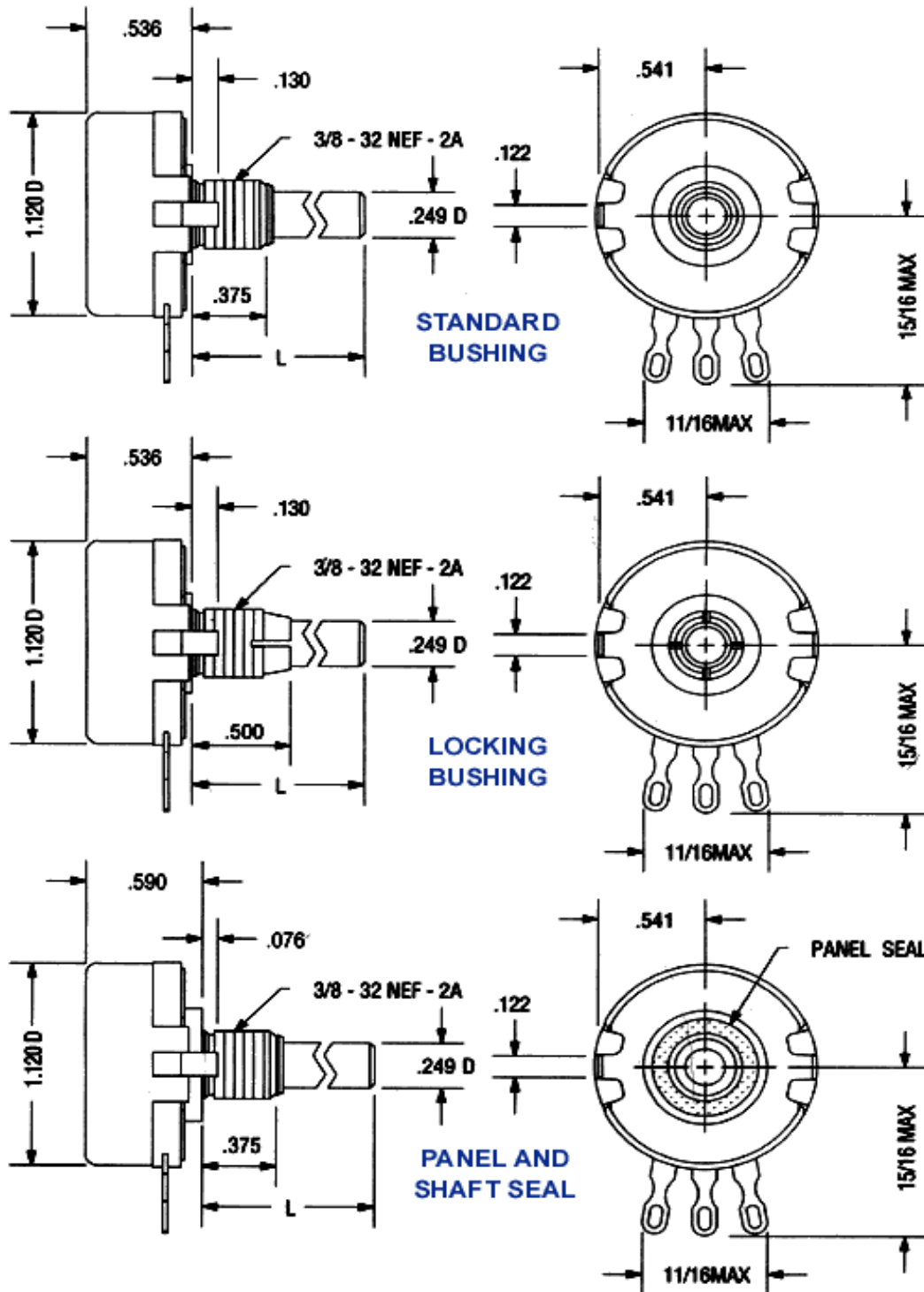
- Mechanical rotation:** 314°
- Operating torque:** 1 oz/in to 6 oz/in
- Rotational life:** 25,000 cycles

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
K = series K	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" 48 = 1 1/2" 64 = 2" 80 = 2 1/2" 96 = 3"
Example: KSU1031R16 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
RV4 = MIL style RV4	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: RV4NAYSB000A note: not all part number combinations are valid							

Type K Cross Reference				
Precision	Military	Clarostat	Allen Bradley	Ohmite
KU S28	RV4NAYSD A	380C3 / 53C3	JA1N056S UA	CMU
KLU S20	RV4LAYS A	280C2 / 53C2	JA1L040S UC	CLU
KU S16	RV4NAYSB A	N/A	JA1N032S UA	N/A
KU S64	RV4NAYSJ A	N/A	JA1N200S UA	CU
KU R64	N/A	380C1 / 53C1	JA1N200P UA	N/A
KU S80	RV4NAYSK A	N/A	JA1N232S UA	N/A
KA R64	N/A	53C1Z	JA1N200P AA	N/A
KLU S28	RV4LAYS D A	N/A	JA1L056S UA	N/A