Potentiometers

Molded composition

Ohmite molded composition potentiometers are available in various models for applications in military devices, industrial equipment and in equipment requiring a convenient resistance control device.

FEATURES

- Low noise, smooth operation
- In accordance with "Mil" RV4N, RV4L, RV6L, RV6N, 2RV7N types
- RoHS compliant; non-RoHS version unavailable.

SPECIFICATIONS

Electrical

Derating: linear from 100% at +70°C to 0% at +120°C

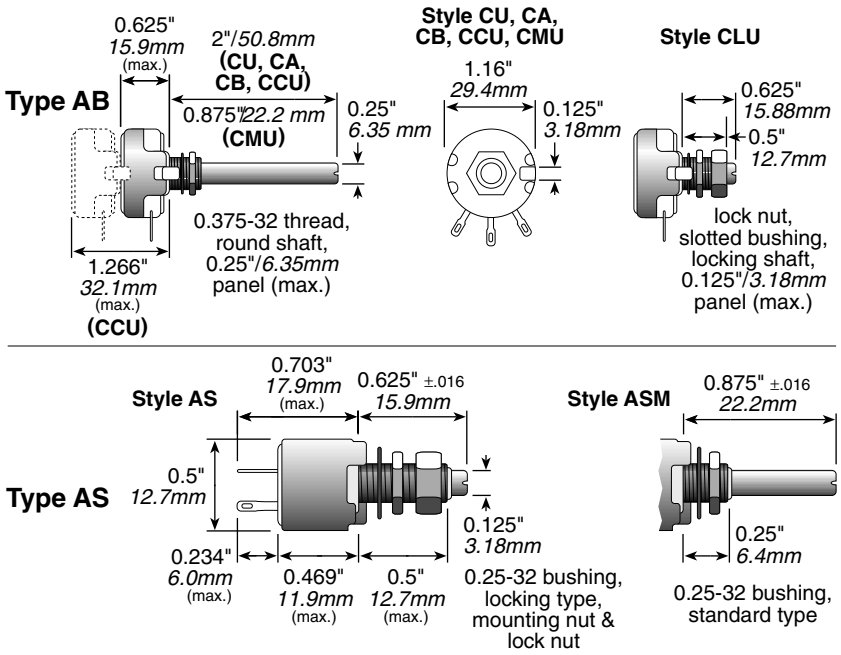
Operating temp. range: -55°C to 120°C

Material

Construction: Elements molded into a single, integral structure. Metal cover protects and shields the internal parts.

Sealing: synthetic resin containing non-mercurial fungicide

Since all rheostats/potentiometers are electro-mechanical devices, they are subject to mechanical wear and, therefore, have a finite life.



Model	Watts	Ohmic range	Behind panel (In./*mm*)	Diameter (In./*mm*)	Rotation	Voltage (RMS)
AS	0.5	50-5M	0.703/*17.9*	0.50/*12.7*	295° ±5°	350
ASM	0.5	50-5M	0.703/*17.9*	0.50/*12.7*	295° ±5°	350
CA	2.0	50-5M	0.625/*15.9*	1.16/*29.4*	312° ±3°	500
CB	2.0	50-5M	0.625/*15.9*	1.16/*29.4*	312° ±3°	500
CU	2.0	50-5M	0.625/*15.9*	1.16/*29.4*	312° ±3°	500
CCU	2.0	50-5M	1.266/*32.1*	1.16/*29.4*	312° ±3°	500
CLU	2.0	50-5M	0.625/*15.9*	1.16/*29.4*	312° ±3°	500
CMU	2.0	50-5M	0.625/*15.9*	1.16/*29.4*	312° ±3°	500

STANDARD PART NUMBERS FOR POTENTIOMETERS

Ohmic value	MIL Designation Prefix ➤	Part No. Prefix ➤	Suffix ▼	RV4NAYSD Linear CMU	RV4NAYSJ Linear CU	RV4NAYSJ CW log CA	RV4NAYSJ CCW log CB	RV4LAYSA Linear CLU	2RV7NYSJ Linear Dual* CCU	RV6LAYSA Linear	RV6NAYSD Linear
50	500A	5001		✔	✔			✔			
100	101A	1011		✔	✔			✔		✔ **AS**3601E	✔ **ASM**6661E
150	151A	1511		✔	✔			✔			
250	251A	2511		✔	✔			✔		✔ **AS**3602E	✔ **ASM**6662E
350	351A	3511		✔	✔			✔			
500	501A	5011		✔	✔			✔		✔ **AS**3603E	✔ **ASM**6663E
750	751A	7511		✔	✔			✔			
1,000	102A	1021		✔	✔			✔		✔ **AS**3604E	✔ **ASM**6664E
1,500	152A	1521		✔	✔			✔			
2,500	252A	2521		✔	✔			✔		✔ **AS**3605E	✔ **ASM**6665E
3,500	352A	3521		✔	✔			✔			
5,000	502A	5021		✔	✔			✔		✔ **AS**3606E	✔ **ASM**6666E
7,500	752A	7521		✔	✔			✔			
10,000	103A	1031		✔	✔		✔	✔	✔	✔ **AS**3607E	✔ **ASM**6667E
15,000	153A	1531		✔	✔			✔			
25,000	253A	2531		✔	✔		✔	✔	✔	✔ **AS**3608E	✔ **ASM**6668E
35,000	353A	3531		✔	✔			✔			

Ohmic value	MIL Designation Prefix ➤	Part No. Prefix ➤	Suffix ▼	RV4NAYSD Linear CMU	RV4NAYSJ Linear CU	RV4NAYSJ CW log CA	RV4NAYSJ CCW log CB	RV4LAYSA Linear CLU	2RV7NYSJ Linear Dual* CCU	RV6LAYSA Linear	RV6NAYSD Linear
50,000	503A	5031		✔	✔		✔	✔	✔	✔ **AS**3609E	✔ **ASM**6669E
75,000	753A	7531		✔	✔			✔			
100,000	104A	1041		✔	✔	✔		✔	✔	✔ **AS**3610E	✔ **ASM**6670E
150,000	154A	1541		✔	✔			✔			
250,000	254A	2541		✔	✔	✔		✔	✔	✔ **AS**3611E	✔ **ASM**6671E
350,000	354A	3541		✔	✔			✔			
500,000	504A	5041		✔	✔	✔		✔	✔	✔ **AS**3612E	✔ **ASM**6672E
750,000	754B	7542		✔	✔			✔			
1,000,000	105B	1052		✔	✔	✔		✔	✔	✔ **AS**3613E	✔ **ASM**6673E
1,500,000	155B	1552		✔	✔			✔			
2,000,000	205B	2052		✔	✔			✔		✔ **AS**3684E	✔ **ASM**6674E
2,500,000	255B	2552		✔	✔	✔		✔		✔ **AS**3614E	✔ **ASM**6675E
3,500,000	355B	3552		✔	✔			✔			
5,000,000	505B	5052		✔	✔			✔		✔ **AS**3615E	✔ **ASM**6676E

✔ = Standard values; check availability

* add "-E" for RoHS-compliant lead-free zinc-nickel plated product

Check product availability at **www.ohmite.com**