

# 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.



### SERIES SPECIFICATIONS

| 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           |

### CHARACTERISTICS

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

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

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

**Sealing** synthetic resin containing non-mercurial fungicide

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

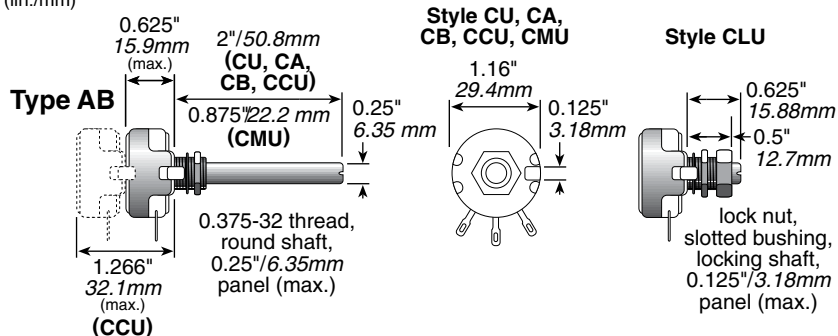
(continued)

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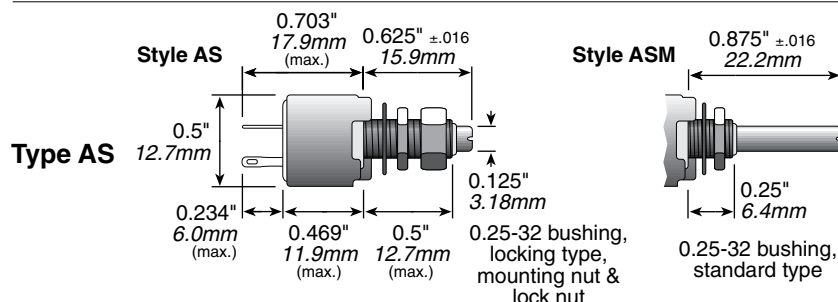
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### DIMENSIONS

(iin./mm)



| Model | Watts | Behind panel | Diameter  | Rotation |
|-------|-------|--------------|-----------|----------|
| AS    | 0.5   | 0.703/17.9   | 0.50/12.7 | 295° ±5° |
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| CMU   | 2.0   | 0.625/15.9   | 1.16/29.4 | 312° ±3° |



### ORDERING INFORMATION

| Ohmic value | MIL Designation<br>Prefix<br>Suffix | Part No.<br>Prefix<br>Suffix | Linear | Linear | CW log | CCW log | Linear | Linear Dual | Linear    | Linear     |
|-------------|-------------------------------------|------------------------------|--------|--------|--------|---------|--------|-------------|-----------|------------|
| 50          | —500A                               | —5001                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 100         | —101A                               | —1011                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3601E | ✓ ASM6661E |
| 150         | —151A                               | —1511                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 250         | —251A                               | —2511                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3602E | ✓ ASM6662E |
| 350         | —351A                               | —3511                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 500         | —501A                               | —5011                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3603E | ✓ ASM6663E |
| 750         | —751A                               | —7511                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 1,000       | —102A                               | —1021                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3604E | ✓ ASM6664E |
| 1,500       | —152A                               | —1521                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 2,500       | —252A                               | —2521                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3605E | ✓ ASM6665E |
| 3,500       | —352A                               | —3521                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 5,000       | —502A                               | —5021                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3606E | ✓ ASM6666E |
| 7,500       | —752A                               | —7521                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 10,000      | —103A                               | —1031                        | ✓      | ✓      |        |         | ✓      | ✓           | ✓ AS3607E | ✓ ASM6667E |
| 15,000      | —153A                               | —1531                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 25,000      | —253A                               | —2531                        | ✓      | ✓      |        |         | ✓      | ✓           | ✓ AS3608E | ✓ ASM6668E |
| 35,000      | —353A                               | —3531                        | ✓      | ✓      |        |         | ✓      |             |           |            |

| Ohmic value | MIL Designation<br>Prefix<br>Suffix | Part No.<br>Prefix<br>Suffix | Linear | Linear | CW log | CCW log | Linear | Linear Dual | Linear    | Linear     |
|-------------|-------------------------------------|------------------------------|--------|--------|--------|---------|--------|-------------|-----------|------------|
| 50,000      | —503A                               | —5031                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3609E | ✓ ASM6669E |
| 75,000      | —753A                               | —7531                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 100,000     | —104A                               | —1041                        | ✓      | ✓      | ✓      |         | ✓      |             | ✓ AS3610E | ✓ ASM6670E |
| 150,000     | —154A                               | —1541                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 250,000     | —254A                               | —2541                        | ✓      | ✓      | ✓      |         | ✓      |             | ✓ AS3611E | ✓ ASM6671E |
| 350,000     | —354A                               | —3541                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 500,000     | —504A                               | —5041                        | ✓      | ✓      | ✓      |         | ✓      |             | ✓ AS3612E | ✓ ASM6672E |
| 750,000     | —754B                               | —7542                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 1,000,000   | —105B                               | —1052                        | ✓      | ✓      | ✓      |         | ✓      |             | ✓ AS3613E | ✓ ASM6673E |
| 1,500,000   | —155B                               | —1552                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 2,000,000   | —205B                               | —2052                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3684E | ✓ ASM6674E |
| 2,500,000   | —255B                               | —2552                        | ✓      | ✓      | ✓      |         | ✓      |             | ✓ AS3614E | ✓ ASM6675E |
| 3,500,000   | —355B                               | —3552                        | ✓      | ✓      |        |         | ✓      |             |           |            |
| 5,000,000   | —505B                               | —5052                        | ✓      | ✓      |        |         | ✓      |             | ✓ AS3615E | ✓ ASM6676E |

✓ = Standard values; check availability

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