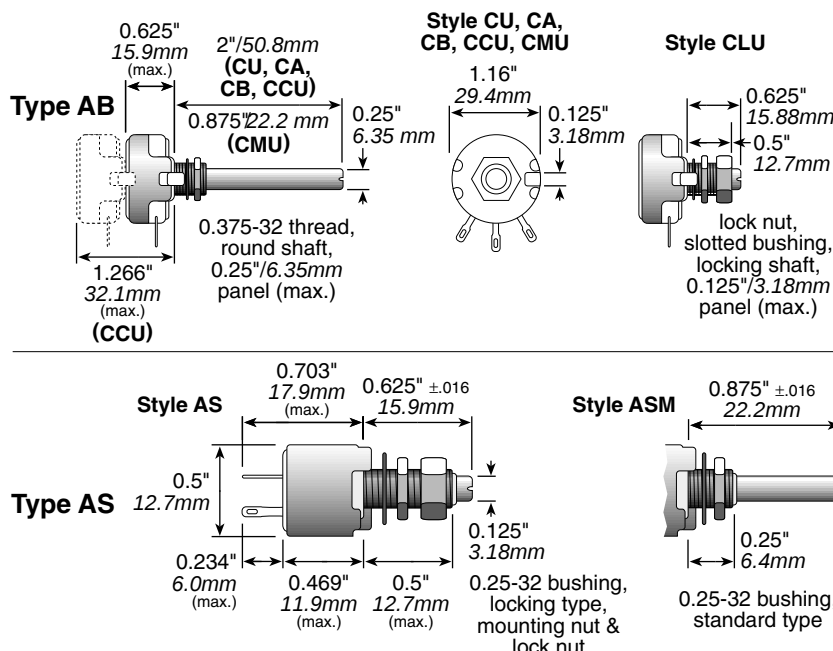


# Potentiometers

## 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

## 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       | 0.625/15.9            | 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           |

## STOCK PART NUMBERS FOR STANDARD RESISTANCE VALUES

| Ohmic value | MIL Designation |        |          | Part No. | Prefix | Suffix   | Linear | Linear | CW log   | CCW log | Linear | Linear Dual* | Linear | Linear  |
|-------------|-----------------|--------|----------|----------|--------|----------|--------|--------|----------|---------|--------|--------------|--------|---------|
|             | Prefix          | Suffix | Part No. | Prefix   | Suffix | Part No. | Prefix | Suffix | Part No. | Prefix  | Suffix | Part No.     | Prefix | Suffix  |
| 50          | 500A            | 5001   | ✓        | ✓        |        |          |        |        |          |         |        |              |        |         |
| 100         | 101A            | 1011   | +        | ✓        |        |          |        |        |          |         |        |              | AS3601 | ASM6661 |
| 150         | 151A            | 1511   | +        | ✓        |        |          |        |        |          |         |        |              |        |         |
| 250         | 251A            | 2511   | ✓        | +        |        |          |        |        |          |         |        |              | AS3602 | ASM6662 |
| 350         | 351A            | 3511   | ✓        | +        |        |          |        |        |          |         |        |              |        |         |
| 500         | 501A            | 5011   | ✓        | ✓        |        |          |        |        |          |         |        |              | AS3603 | ASM6663 |
| 750         | 751A            | 7511   | ✓        | +        |        |          |        |        |          |         |        |              |        |         |
| 1,000       | 102A            | 1021   | +        | +        |        |          |        |        |          |         |        |              | AS3604 | ASM6664 |
| 1,500       | 152A            | 1521   | +        | +        |        |          |        |        |          |         |        |              |        |         |
| 2,500       | 252A            | 2521   | +        | ✓        |        |          |        |        |          |         |        |              | AS3605 | ASM6665 |
| 3,500       | 352A            | 3521   | ✓        | ✓        |        |          |        |        |          |         |        |              |        |         |
| 5,000       | 502A            | 5021   | +        | +        |        |          |        |        |          |         |        |              | AS3606 | ASM6666 |
| 7,500       | 752A            | 7521   | +        | +        |        |          |        |        |          |         |        |              |        |         |
| 10,000      | 103A            | 1031   | +        | +        |        |          |        |        |          |         |        |              | AS3607 | ASM6667 |
| 15,000      | 153A            | 1531   | ✓        | ✓        |        |          |        |        |          |         |        |              |        |         |
| 25,000      | 253A            | 2531   | ✓        | ✓        |        |          |        |        |          |         |        |              | AS3608 | ASM6668 |
| 35,000      | 353A            | 3531   | ✓        | +        |        |          |        |        |          |         |        |              |        |         |

+ = Most popular stock values

✓ = Stock values

± = Non-stock values subject to minimum handling charge per item

Resistance values are for each unit comprising a dual potentiometer.