

# MODEL 62

1/4" Diameter

## Single Turn Cermet Trimming Potentiometer



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### ELECTRICAL

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| Standard Resistance Range, Ohms       | 10 to 1Meg                                     |
| Standard Resistance Tolerance         | $\pm 10\%$ (<100 Ohms = $\pm 20\%$ )           |
| Input Voltage, Maximum                | 200 Vdc or rms not to exceed power rating      |
| Slider Current, Maximum               | 100mA or within rated power, whichever is less |
| Power Rating, Watts                   | 0.5 at 70°C derating to 0 at 125°C             |
| End Resistance, Maximum               | 2 Ohms                                         |
| Actual Electrical Travel, Nominal     | 220°                                           |
| Dielectric Strength                   | 600Vrms                                        |
| Insulation Resistance, Minimum        | 100 Megohms                                    |
| Resolution                            | Essentially infinite                           |
| Contact Resistance Variation, Maximum | 1% or 1 Ohm, whichever is greater              |

### ENVIRONMENTAL

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| Seal                             | 85°C Fluorinert® (No Leaks)                                              |
| Temperature Coefficient, Maximum | $\pm 100\text{ppm}/^\circ\text{C}$                                       |
| Operating Temperature Range      | -55°C to +125°C                                                          |
| Thermal Shock                    | 5 cycles, -55°C to +125°C (1% $\Delta\text{RT}$ , 1% $\Delta\text{VR}$ ) |
| Moisture Resistance              | Ten 24 hour cycles (1% $\Delta\text{RT}$ , IR 100 Megohms Min.)          |
| Shock, 6ms Sawtooth              | 100G's (1% $\Delta\text{RT}$ , 1% $\Delta\text{VR}$ )                    |
| Vibration                        | 20G's, 10 to 2,000 Hz (1% $\Delta\text{RT}$ , 1% $\Delta\text{VR}$ )     |
| High Temperature Exposure        | 250 hours at 125°C (2% $\Delta\text{RT}$ , 2% $\Delta\text{VR}$ )        |
| Rotational Life                  | 200 cycles (2% $\Delta\text{RT}$ )                                       |
| Load Life at 0.5 Watts           | 1,000 hours at 70°C (2% $\Delta\text{RT}$ )                              |
| Resistance to Solder Heat        | 260°C for 10 sec. (1% $\Delta\text{RT}$ )                                |

### MECHANICAL

|                          |                       |
|--------------------------|-----------------------|
| Mechanical Stops         | Solid                 |
| Torque, Starting Maximum | 3 oz.-in. (0.021 N-m) |
| Weight, Nominal          | .02 oz. (0.60 grams)  |

Fluorinert® is a registered trademark of 3M Company.  
Specifications subject to change without notice.

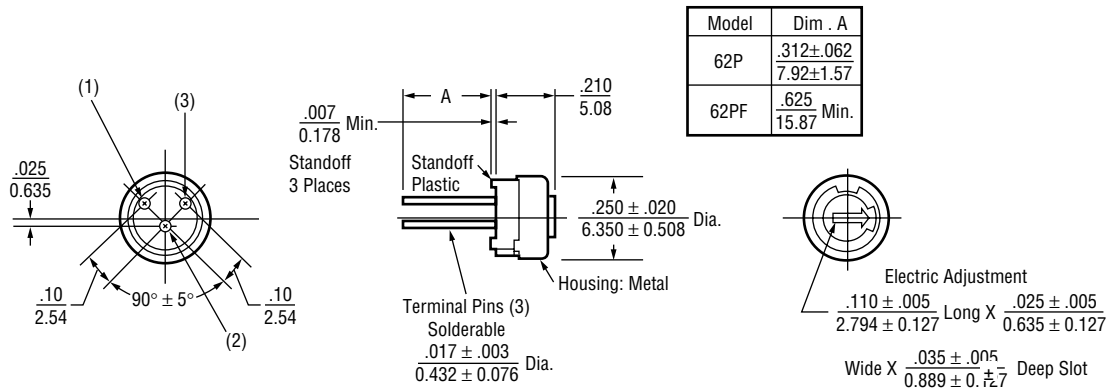


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Model 62

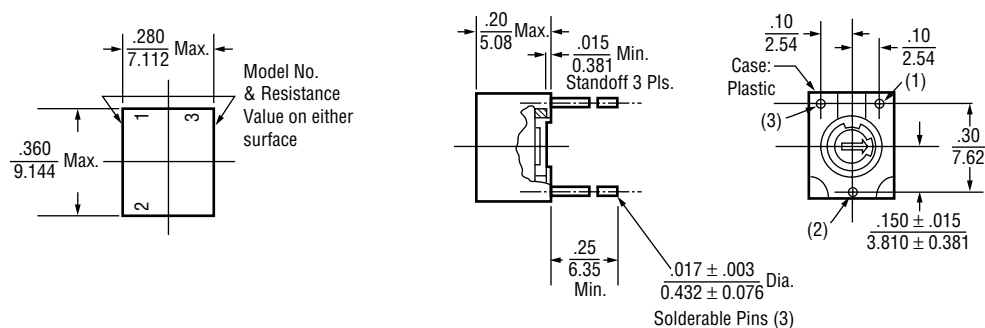
# TOP ADJUSTMENT (Inch/mm)

Model 62P, 62PF [查询"62MR100LF"供应商](#)

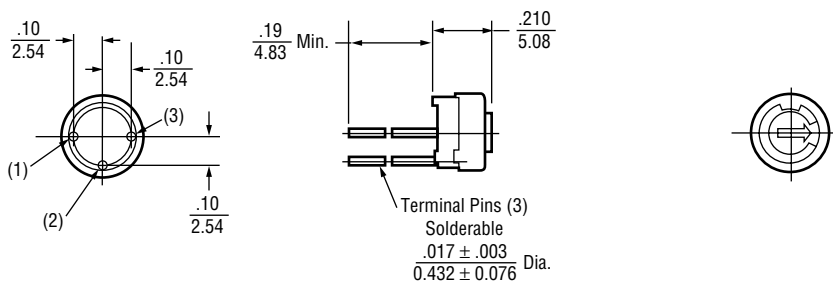


Note: Model 62P dimensions applicable to all models except as noted.

Model 62B



Model 62M

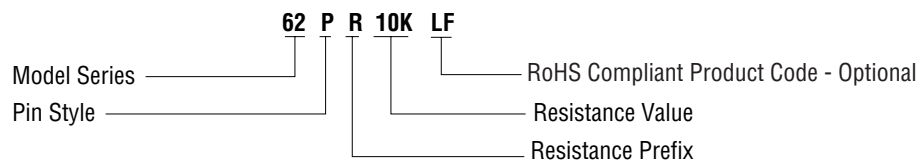
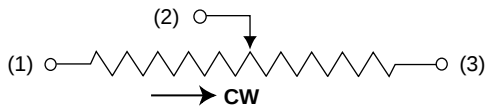


**STANDARD RESISTANCE VALUES, OHMS****1**[查询"62MR100LF"供应商](#)

|     |     |     |      |      |
|-----|-----|-----|------|------|
| 10  | 200 | 5K  | 50K  | 500K |
| 20  | 500 | 10K | 100K | 1Meg |
| 50  | 1K  | 20K | 200K |      |
| 100 | 2K  | 25K | 250K |      |

**PACKAGING**

**Standard:** Plastic Bags  
Capacity = 100 Units

**ORDERING INFORMATION****Standard:****CIRCUIT DIAGRAM****NOTES**

Metric equivalents, based on 1 inch = 25.4mm are rounded to the same number of significant figures as in the original English units and are provided for general information only.

Tolerances unless otherwise specified:  
Linear = ± .01 inches (.25mm)  
Angular = ± 2 degrees

