# MODEL 62

## 1/4" Diameter
## Single Turn
## Cermet Trimming
## Potentiometer




### ELECTRICAL

| | |
|---|---|
| Standard Resistance Range, Ohms | 10 to 1Meg |
| Standard Resistance Tolerance | ±10% (<100 Ohms = ±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 | ±100ppm/°C |
| Operating Temperature Range | –55°C to +125°C |
| Thermal Shock | 5 cycles, –55°C to +125°C (1% ΔRT, 1% ΔVR) |
| Moisture Resistance | Ten 24 hour cycles (1% ΔRT, IR 100 Megohms Min.) |
| Shock, 6ms Sawtooth | 100G's (1% ΔRT, 1% ΔVR) |
| Vibration | 20G's, 10 to 2,000 Hz (1% ΔRT, 1% ΔVR) |
| High Temperature Exposure | 250 hours at 125°C (2% ΔRT, 2% ΔVR) |
| Rotational Life | 200 cycles (2% ΔRT) |
| Load Life at 0.5 Watts | 1,000 hours at 70°C (2% ΔRT) |
| Resistance to Solder Heat | 260°C for 10 sec. (1% ΔRT) |

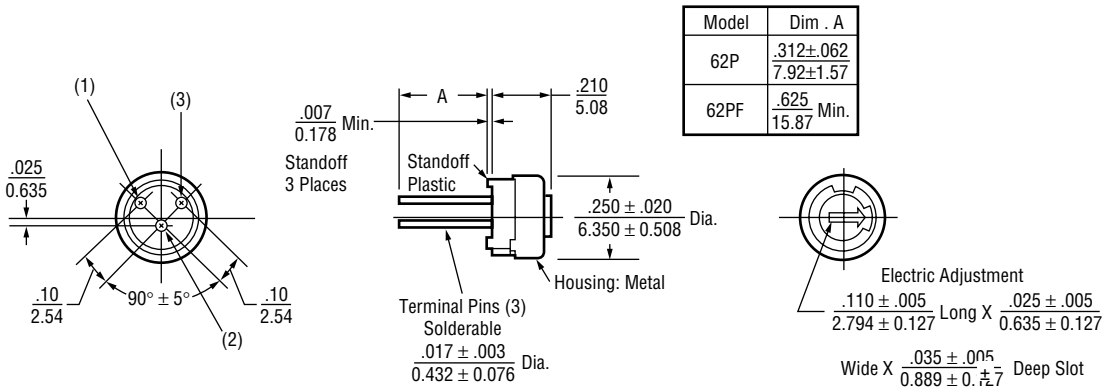
### MECHANICAL

| | |
|---|---|
| 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.

## TOP ADJUSTMENT (Inch/mm)

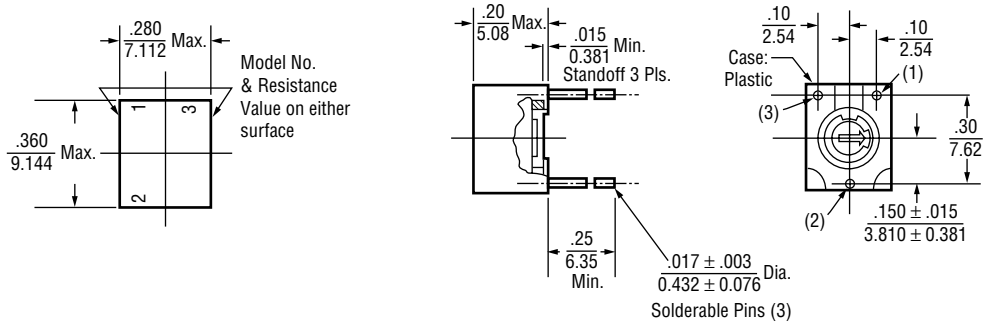
**Model 62P, 62PF**



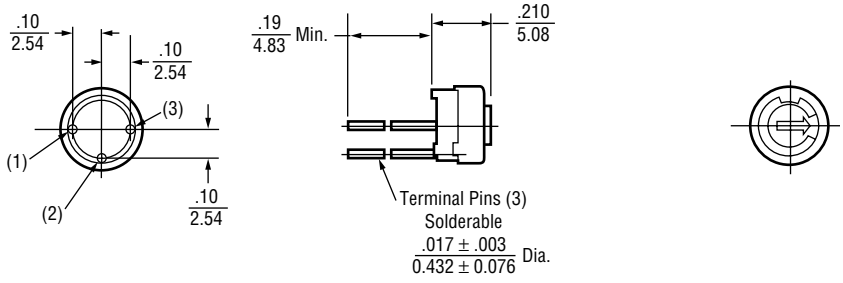

| Model | Dim . A |
|---|---|
| 62P | .312±.062<br>7.92±1.57 |
| 62PF | .625<br>15.87 Min. |

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

**Model 62B**




**Model 62M**



## STANDARD RESISTANCE VALUES, OHMS

| | | | | |
|---|---|---|---|---|
| 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

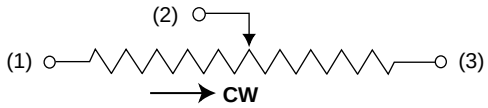
## ORDERING INFORMATION

**Standard:**

**62 P R 10K LF**

- Model Series
- Pin Style
- Resistance Prefix
- Resistance Value
- RoHS Compliant Product Code - Optional

## 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