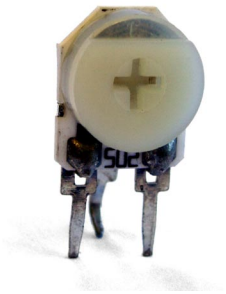
# Model 37
# 9 mm Single-Turn Open Frame Cermet Trimming Potentiometer

New Product

RoHS Compliant



## STYLES AVAILABLE

| | |
|---|---|
| Top Adjust (with extension) | 37F |
| Top Adjust | 37P |
| Side Adjust | 37W |
| Side Adjust (with extension) | 37S |

## ELECTRICAL[1]

| | |
|---|---|
| Resistance Range | 100 to 1,000,000 Ohms |
| Standard Resistance Tolerance | ± 20% |
| Input Voltage, Maximum | 250 V |
| Power rating, Watts | 0.5 @ 70°C |
| End Resistance, Maximum | <500 ohms: 10 Ohms Max; > 500 ohms: 2% Max. |
| Actual Electrical Travel | 280° ±15° |
| Insulation Resistance, Minimum | 100 Megohms |
| Resolution | Essentially infinite |
| Contact Resistance Variation | 5% Max. |
| Temperature Coefficient of Resistance | ±250 ppm/°C |

## MECHANICAL

| | |
|---|---|
| Torque, Maximum | 4.5 in. oz. |
| Weight, Approx. | 0.01 oz. |
| Wiper Position | Approx. 50% |

[1] *Specifications subject to change without notice.*

**BI Technologies Corporation**
4200 Bonita Place, Fullerton, CA 92835 USA
Phone: 714 447 2345 Website: www.bitechnologies.com



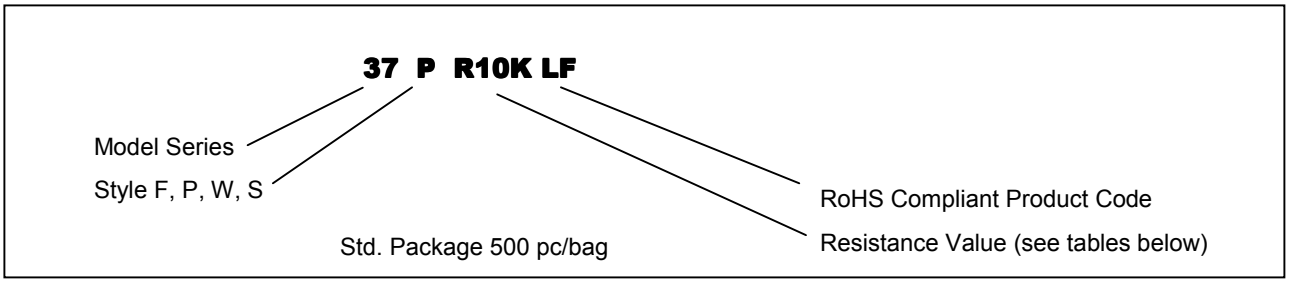
TT electronics
BI technologies

# Model 37

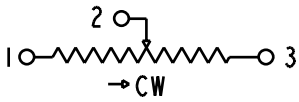
## ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature Range | -30°C to +100°C |
| Rotational Life, 50 Cycles | ±10% ΔR |
| Load Life, 0.5W, 500 Hours, 70°C | ±5% ΔR |
| Resistance to Solder Heat | 260°C for 3 sec. |
| Aqueous cleaning not recommended | |

## ORDERING INFORMATION[2]




## CIRCUIT DIAGRAM




## STANDARD RESISTANCE VALUES AND MARKING

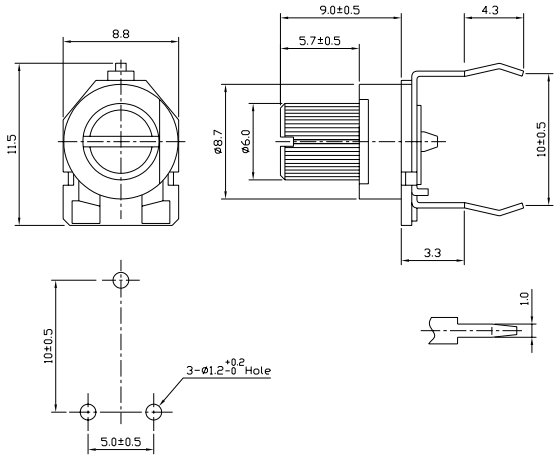
| Resistance (ohms) | Part Marking |
|---|---|
| 100 | 101 |
| 200 | 201 |
| 500 | 501 |
| 1K | 102 |
| 2K | 202 |
| 5K | 502 |
| 10K | 103 |
| 20K | 203 |
| 50K | 503 |
| 100K | 104 |
| 200K | 204 |
| 500K | 504 |
| 1MEG | 105 |

[2] *Contact our customer service for custom designs and features.*

# Model 37

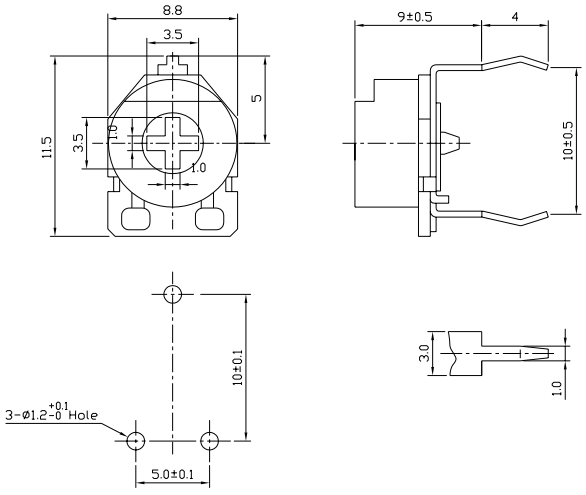
## OUTLINE DRAWING[3]

### Model 37F (Top Adjust with extension)



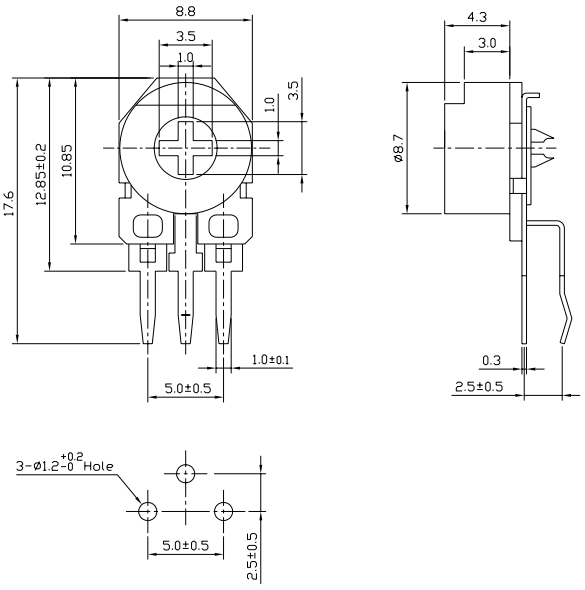

PCB HOLE PATTERN

### Model 37P (Top Adjust)



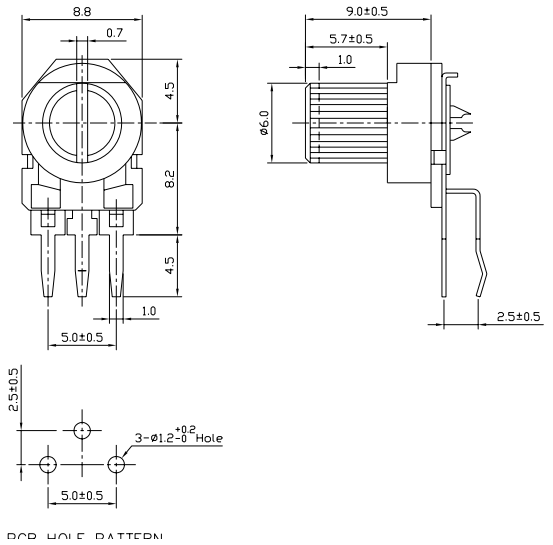

PCB HOLE PATTERN

### Model 37W (Side Adjust)




PCB HOLE PATTERN

### Model 37S (Side Adjust with extension)




PCB HOLE PATTERN

[3] *Dimensions are in millimeters*

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