

# Open Type Trimmer

## Model 38



### Features:

- 10 mm single turn
- Dust proof
- Cermet element
- Low TCR
- RoHS compliant



## Model Styles Available

|             |     |
|-------------|-----|
| Top Adjust  | 38P |
| Side Adjust | 38W |

## Electrical

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| Resistance Range                      | 100 to 1,000,000 Ohms                  |
| Standard Resistance Tolerance         | ± 30%, (±20% and ±10% available)       |
| Input Voltage, Maximum                | 200 Vdc                                |
| Power rating, Watts                   | Linear :0.15W, others : 0.07W, at 50°C |
| End Resistance, Maximum               | 2 ohms or 0.5% whichever is greater    |
| Actual Electrical Travel              | 220° ±20°                              |
| Insulation Resistance, Minimum        | 100 Megohms                            |
| Resolution                            | Essentially infinite                   |
| Contact Resistance Variation          | 5% Max.                                |
| Temperature Coefficient of Resistance | ±500 ppm/°C                            |

## Mechanical

|                 |              |
|-----------------|--------------|
| Torque, Maximum | 1.5 in - oz. |
| Wiper Position  | Approx. 50%  |

### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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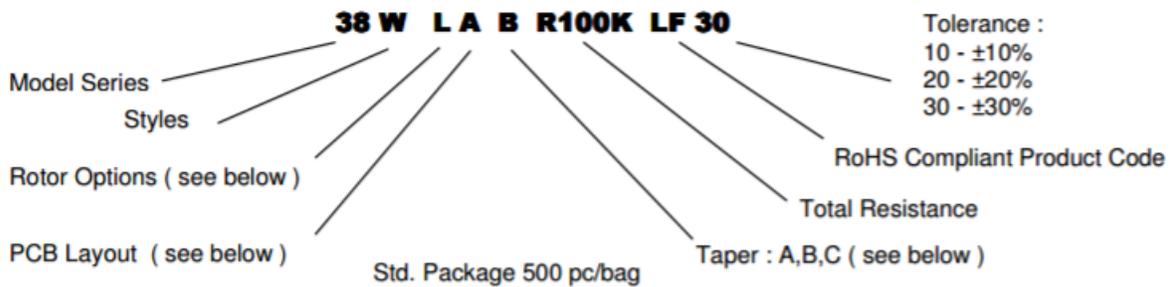
## Model 38



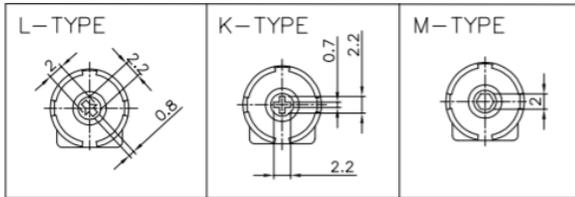
### Environmental

|                                   |                  |
|-----------------------------------|------------------|
| Operating Temperature Range       | -25°C to +70°C   |
| Rotational Life, 500 Cycles       | ±3% ΔR           |
| Load Life, 0.15W, 100 Hours, 50°C | ±5% ΔR           |
| Resistance to Solder Heat         | 260°C for 3 sec. |
| Aqueous cleaning not recommended  |                  |

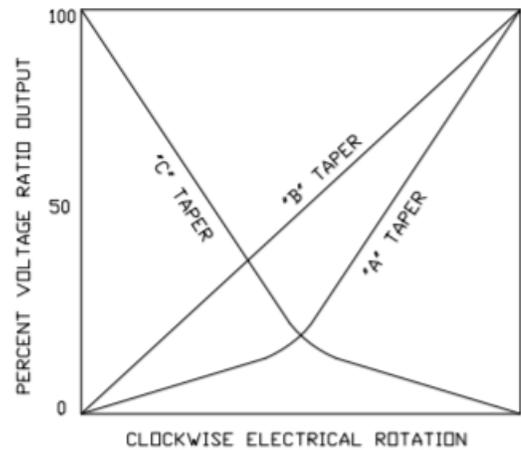
### Ordering Information



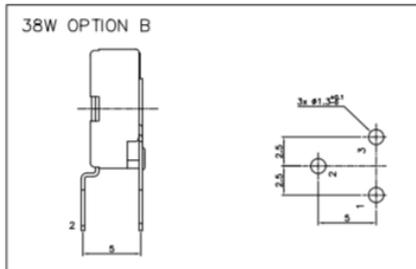
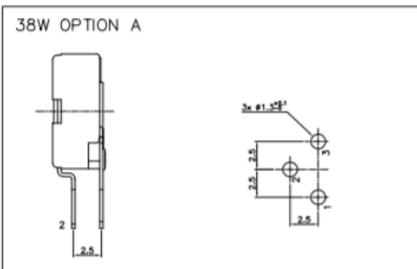
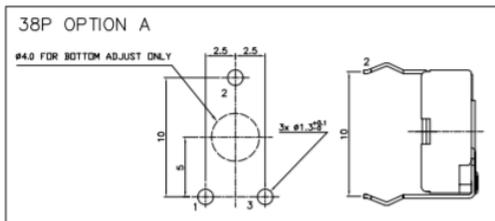
#### Rotor Options



#### Taper Options



#### PCB Layout Options



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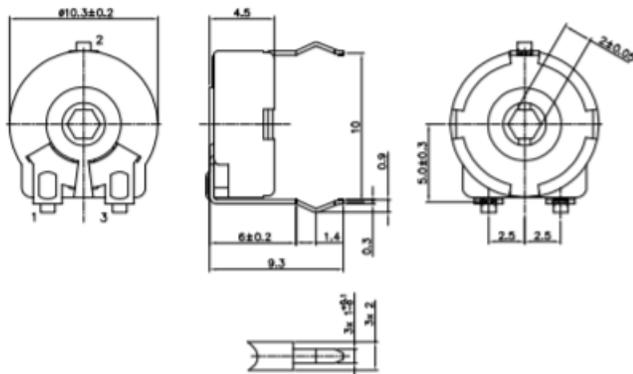
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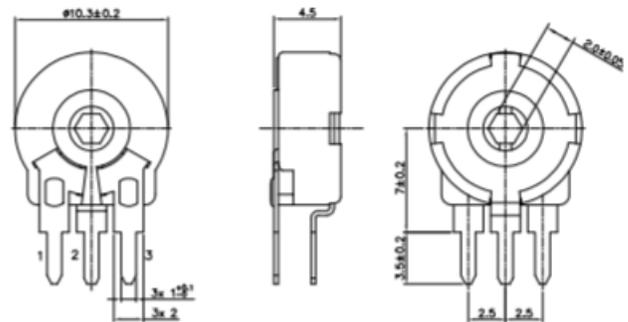


### Outline Drawings

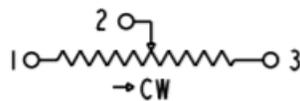
**Model 38P (Top Adjust)**



**Model 38W (Side Adjust)**



### Circuit Diagram



### Standard Resistance Values, Ohms

100    500    1K    2K    5K    10K    20K    50K    100K    200K    500K    1MEG

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