

Open Type Trimmer

Model 38



Features:

- 10 mm single turn
- Dust proof
- Carbon 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	$\pm 30\%$, ($\pm 20\%$ and $\pm 10\%$ 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° $\pm 20^\circ$
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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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	

38 W L A B R100K LF 30

Model Series

Styles

Rotor Options (see below)

PCB Layout (see below)

Std. Package 500 pc/bag

Tolerance :
10 - $\pm 10\%$
20 - $\pm 20\%$
30 - $\pm 30\%$

RoHS Compliant Product Code

Total Resistance

Taper : A,B,C (see below)

L-TYPE	K-TYPE	M-TYPE

The graph plots Percent Voltage Ratio Output (0 to 100) against Clockwise Electrical Rotation (0 to 360 degrees). Three curves are shown: 'A' Taper (rises from 0% at 0° to 100% at 180°), 'B' Taper (rises from 0% at 0° to 100% at 360°), and 'C' Taper (falls from 100% at 0° to 0% at 360°).

38P OPTION A

#4.0 FOR BOTTOM ADJUST ONLY

5.0

10.0

2.5

2.5

2

3.0

1

3

3.0

2

10.0

2.0

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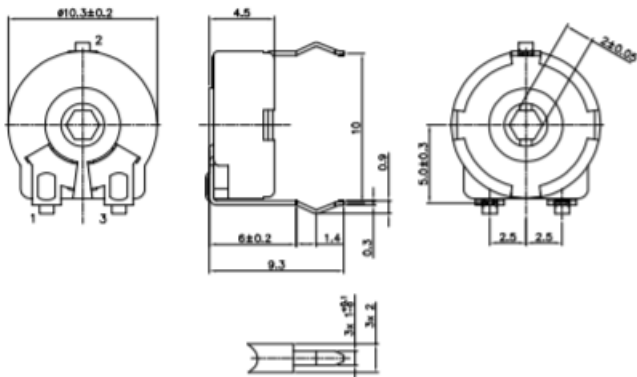
Open Type Trimmer

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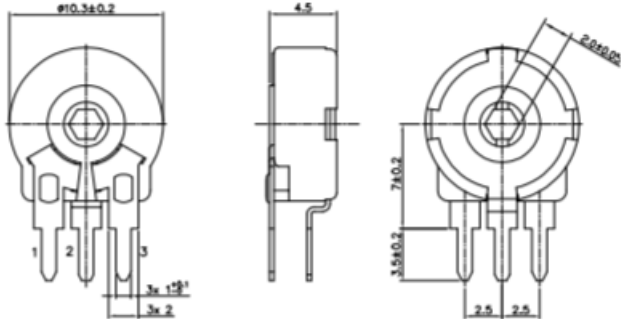


Outline Drawings

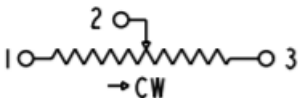
Model 38P (Top Adjust)



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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