

Model P090
 9mm Rotary Potentiometer
 Insulated Shaft
 Conductive Plastic Element
 100,000 Cycle Life
 Snap-in Clip
 RoHS Compliant



MODEL STYLES

Side Adjust	P090L
Top Adjust	P090S

ELECTRICAL¹

Resistance Range, Ohms	500 – 1M
Standard Resistance Tolerance	± 20%
Residual Resistance	20 ohms max.
Input Voltage, maximum	50 Vac max.
Power rating, Watts	0.03W
Dielectric Strength	250Vac, 1 minute
Insulation Resistance, Minimum	100M ohms at 250Vdc
Sliding Noise	100mV max.
Actual Electrical Travel, Nominal	240°

MECHANICAL

Total Mechanical Travel	280°± 10°
Static Stop Strength	40 oz-in
Rotational Torque	0.5 to 1.25 oz-in

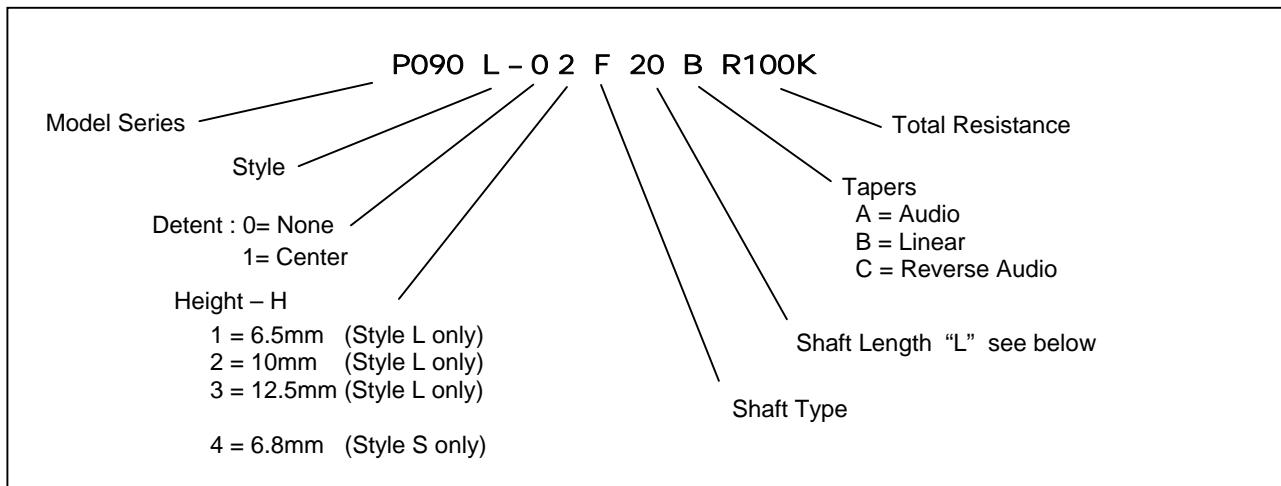
ENVIRONMENTAL

Operating Temperature Range	-20°C to +70°C
Rotational Life	100,000 cycles

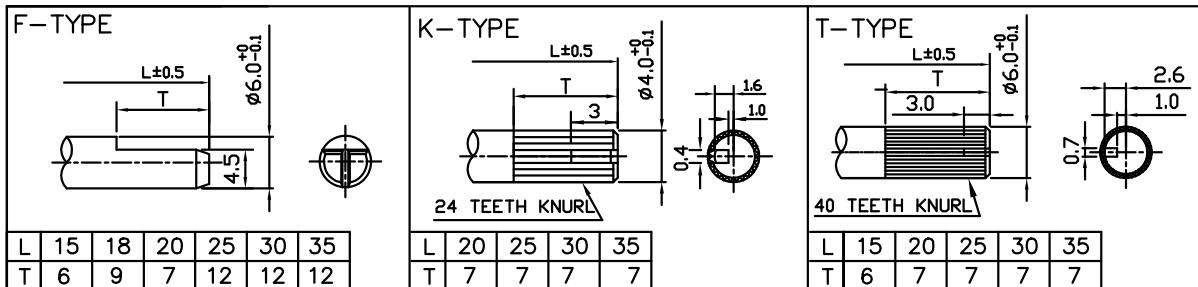
¹ Specifications subject to change without notice.

Model P090

ORDERING INFORMATION²



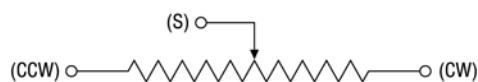
Shaft Type



STANDARD RESISTANCE VALUES, OHMS

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

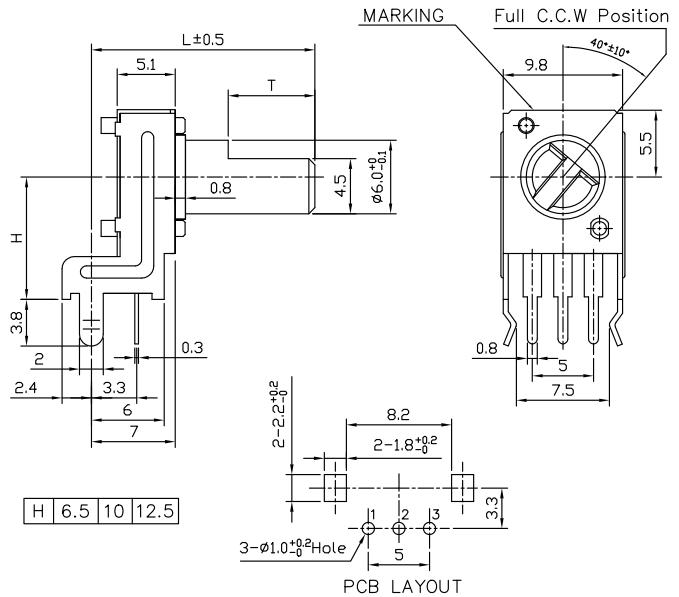


² Contact our customer service for custom designs and features.

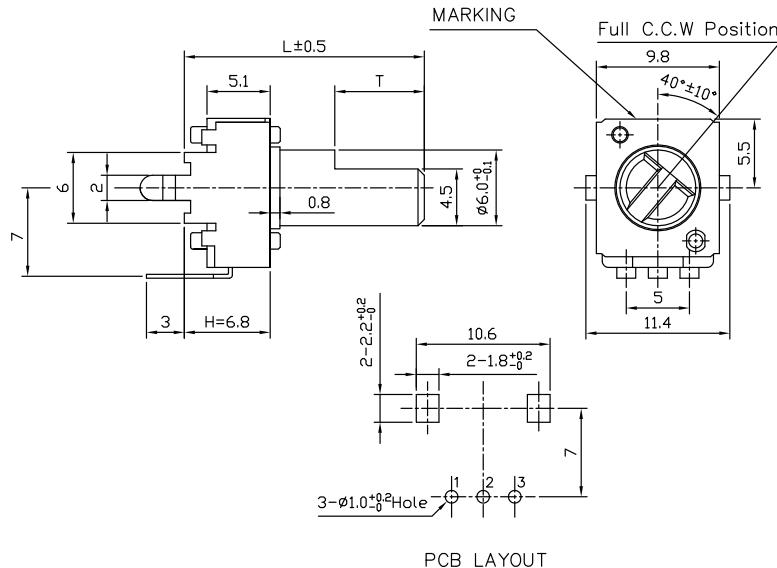
Model P090

OUTLINE DRAWING

Model P090L (Side Adjust)



Model P090S (Top Adjust)



Mouser Electronics

Authorized Distributor

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BI Technologies:

[P090L-11T20BR100K](#) [P090S-04F15AR100K](#) [P090S-04F20BR1K](#) [P090L-02F35B50K](#) [P090S-04T25BR10K](#) [P090L-01F20BR10K](#) [P090L-02T15BR500K](#) [P090S-04K25BR10K](#) [P090L-03F20BR10K](#) [P090S-04F20AR100K](#) [P090S-04T15AR500K](#) [P090L-02F25BR50K](#) [P090S-04F15AR10K](#) [P090S-04F30BR10K](#) [P090S-04F15BR100K](#) [P090S-04F15AR1MEG](#) [P090S-14F20BR10K](#) [P090L-01K25BR20K](#) [P090S-04F25BR5K](#) [P090S-04F30BR20K](#) [P090L-01T20BR1K](#) [P090L-02K20BR10K](#) [P090L-02T30BR100K](#) [P090L-02T30BR1K](#) [P090L-15BR500K](#) [P090L-01T15AR2K](#)

TT electronics:

[P090L-11F15BR10K](#) [P090S-02T20BR50K](#) [P090L-02F20BR10K](#) [P090L-02F20CR10K](#) [P090L-01K20BR10K](#) [P090S-04T20AR10K](#) [P090S-04T20AR50K](#) [P090L-02T20AR10K](#) [P090S-04F25BR10K](#) [P090L-01K25BR50K](#) [P090S-02T20CR10K](#) [P090L-02T20AR50K](#) [P090S-02T20AR10K](#) [P090L-01F20AR100K](#) [P090L-02F20BR1MEG](#) [P090L-01F15BR10K](#) [P090L-12K20BR10K](#) [P090L-02F20AR50K](#) [P090L-01T20BR10K](#) [P090S-04T20BR50K](#) [P090S-02T20BR10K](#) [P090L-11K35BR10K](#) [P090L-02F20AR10K](#) [P090L-02F20BR100K](#) [P090L-02T25AR5K](#) [P090L-02F20BR50K](#) [P090L-01T15BR10K](#) [P090S-04T20BR10K](#) [P090L-01K25AR50K](#) [P090S-02T20AR50K](#) [P090S-04T20CR10K](#)

TT Electronics:

[P090L-02F25BR10K](#) [P090S-14T20BR10K](#) [P090L-02T20BR50K](#) [P090S-04F20BR10K](#)