

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, Maximum	1.2 oz-in

ENVIRONMENTAL

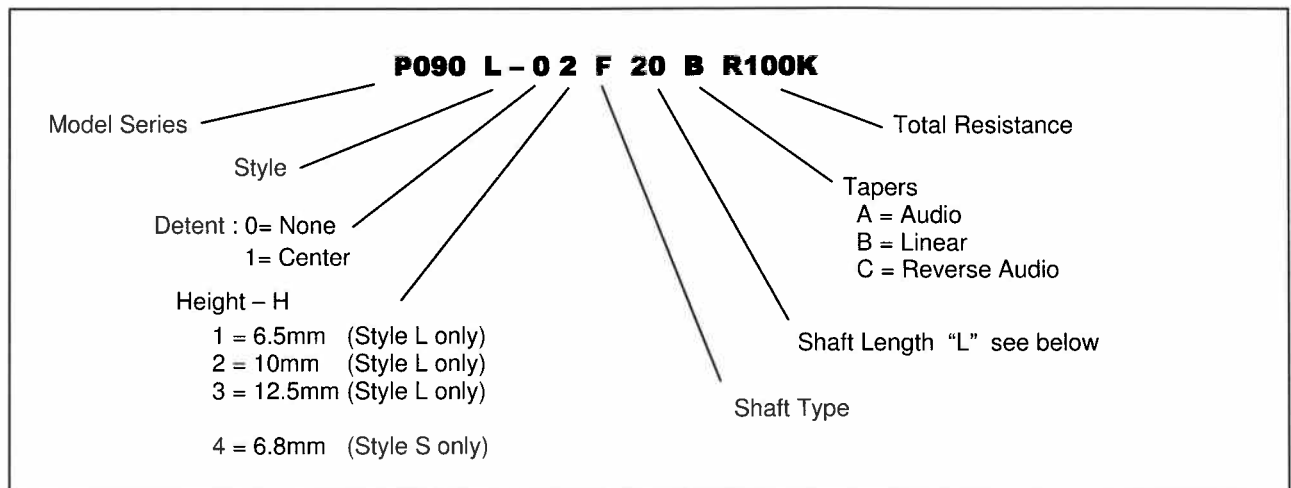
Operating Temperature Range	-20°C to +70°C
Rotational Life	100,000 cycles

¹ Specifications subject to change without notice.

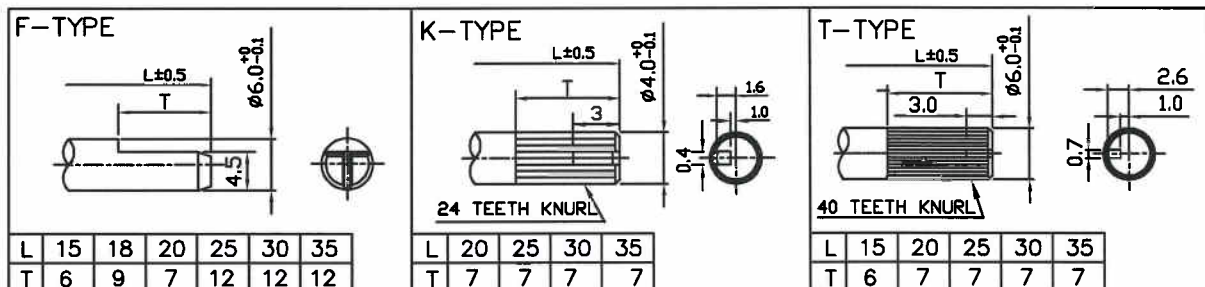


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ORDERING INFORMATION²



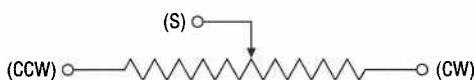
Shaft Type



STANDARD RESISTANCE VALUES, OHMS

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

CIRCUIT DIAGRAM



² Contact our customer service for custom designs and features.



OUTLINE DRAWING

MARKING

Full C.C.W Position

40°±10°

9.8

5.5

0.8

5

7.5

2-2.2 ± 0.2

8.2

2-1.8 ± 0.2

3.3

3-Ø1.0 ± 0.2 Hole

5

1

2

3

PCB LAYOUT

H	6.5	10	12.5
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