Panel Potentiometer

Model P090 Series

Features:

- 9 mm rotary
- Insulated shaft
- Conductive plastic element
- 100,000 cycle life
- Snap-in clip
-

RoHS 2 compliant

Model Styles Available

Side Adjust	P090L
Top Adjust	P090S

Electrical

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, I minute
Insulation Resistance, Minimum	100M ohms at 250Vdc
Sliding Noise	100mV max.
Actual Electrical Travel, Nominal	240°

Mechanical

Total Mechanical Travel	280°C ± 10°
Static Stop Strength	40 oz-in
Rotational torque	0.13 to 1.25 oz-in
Detent torque	.41 to 1.6 oz-in

Environmental

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

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Ordering

P090 L – 0 2 F 20 B R100K

Model Series

Style

Detent : 0= None
1= Center

Height – H
1 = 6.5mm   (Style L only)
2 = 10mm   (Style L only)
3 = 12.5mm (Style L only)

4 = 6.8mm   (Style S only)

Total Resistance

Tapers
A = Audio
B = Linear
C = Reverse Audio

Shaft Length "L" see below

Shaft Type

Shaft Type

F–TYPE   L±0.5   T   Ø6.0 +0 −0.1   4.5

L	15	18	20	25	30	35
T	6	9	7	12	12	12

K–TYPE   L±0.5   T   3   Ø4.0 +0 −0.1   24 TEETH KNURL   1.6   1.0   0.4

L	20	25	30	35
T	7	7	7	7

T–TYPE   L±0.5   T   3.0   Ø6.0 +0 −0.1   40 TEETH KNURL   2.6   1.0   0.7

L	15	20	25	30	35
T	6	7	7	7	7

STANDARD RESISTANCE VALUES, OHMS

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

CIRCUIT DIAGRAM

(S)
(CCW)   (CW)
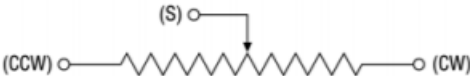
Panel Potentiometer

Model P090 Series

Model P090L (Side Adjust)

Model P090S (Top Adjust)

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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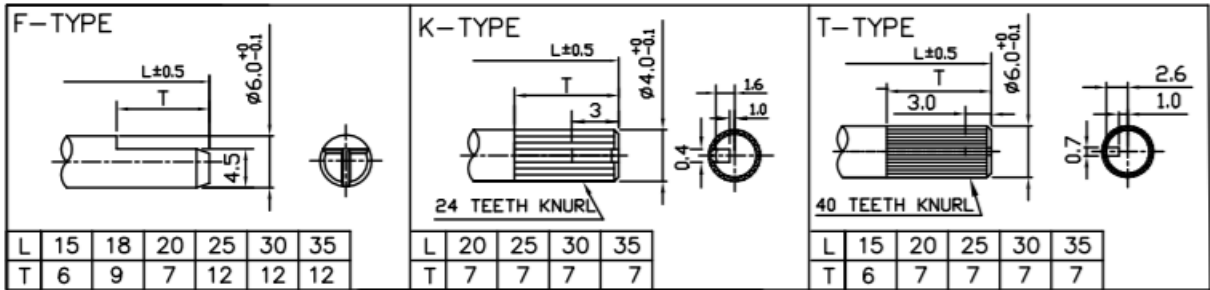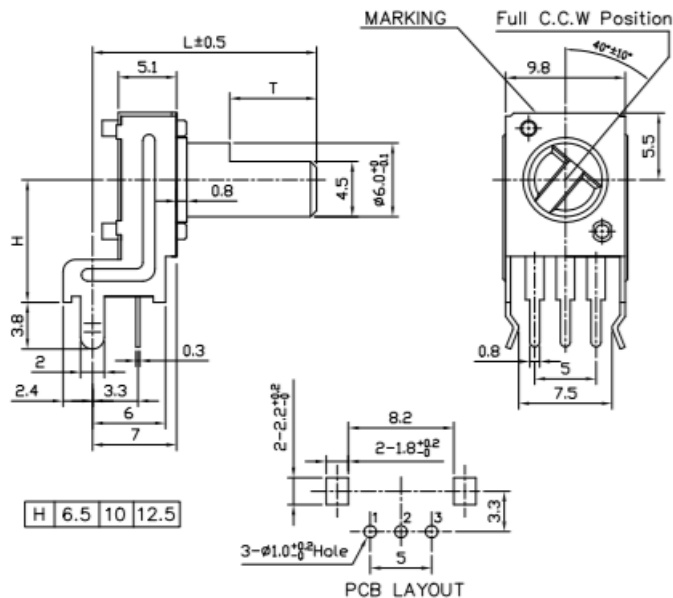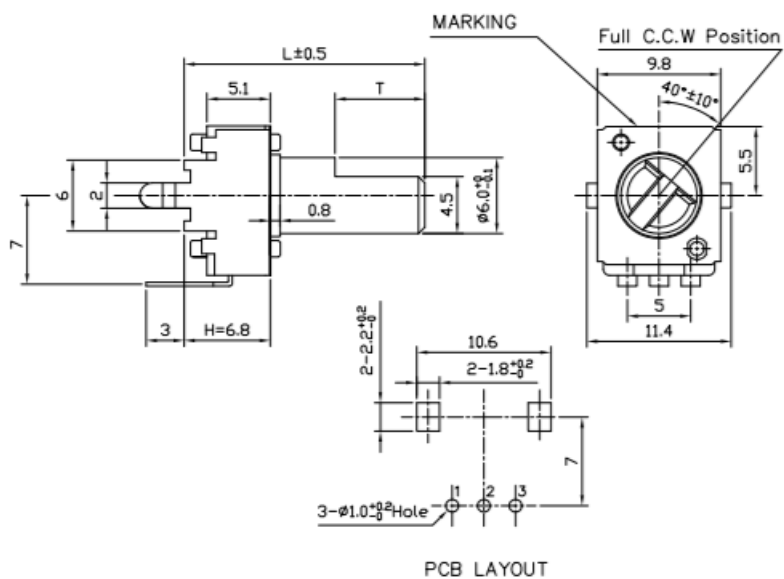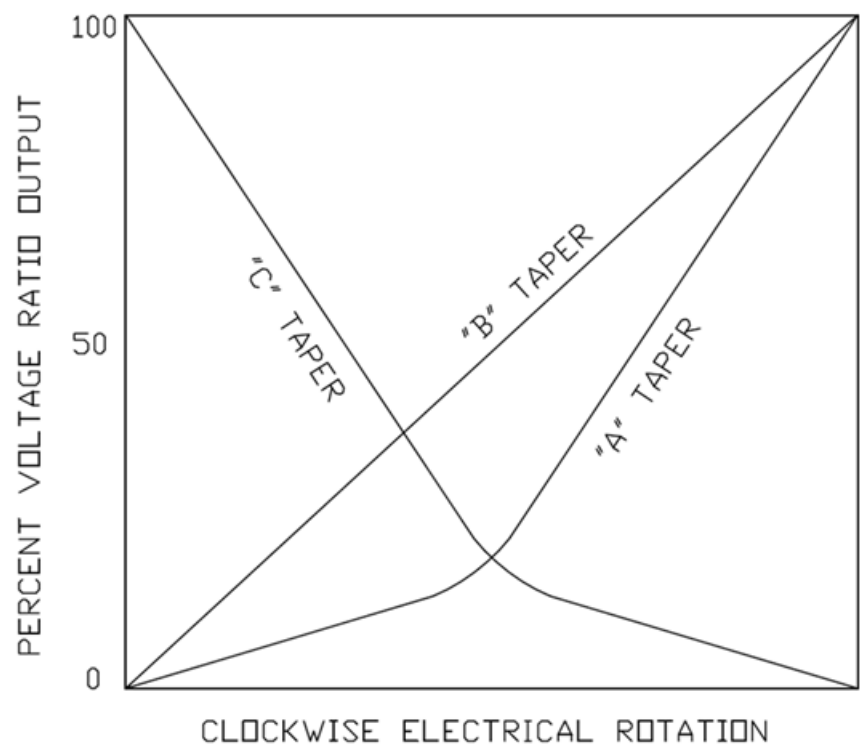www.ttelectronics.com | sensors@ttelectronics.com

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  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-02F25BR10K   P090S-14T20BR10K   P090L-01T20BR1K   P090L-02T20BR50K   P090S-04F20BR10K   P090L-02K20BR10K   P090L-02T30BR100K   P090L-02T30BR1K   P090L-11F15BR10K   P090L-15BR500K   P090L-01T15AR2K   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   P090S-04T25BR1MEG   P090S-04T25BR1K