

# Panel Potentiometer

## Model P090 Series



### Features:

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



## 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, 1 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

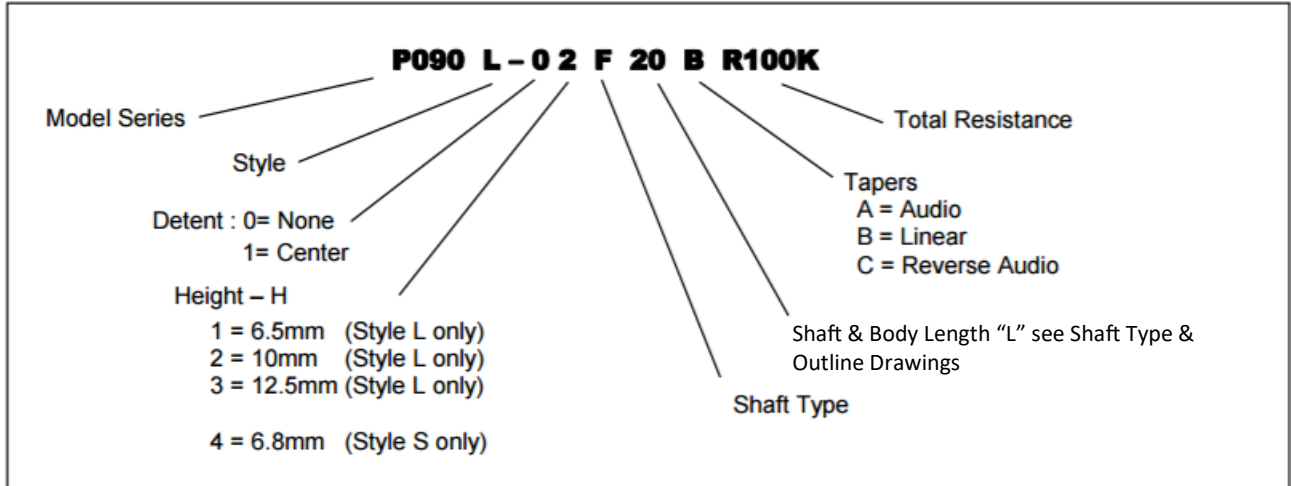
Operating Temperature Range	-20°C to +70°C
Rotational Life	100,000 cycles

### General Note

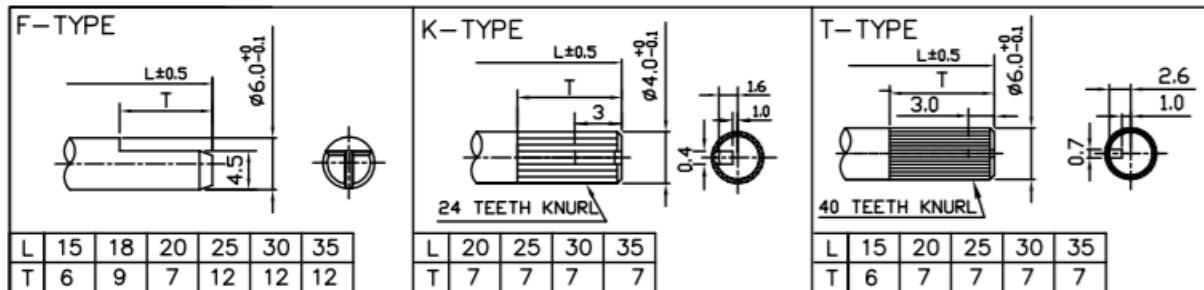
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | BI Technologies  
Circulo de la Amistad #102 PIMSA IV Mexicali B.C. Mexico C.P 21210  
Ph: +1 714 447 2345  
[www.ttelectronics.com/bi-technologies](http://www.ttelectronics.com/bi-technologies)

### Ordering



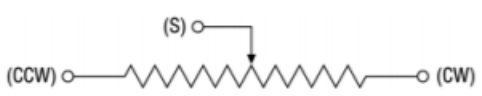
### Shaft Type



### STANDARD RESISTANCE VALUES, OHMS

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

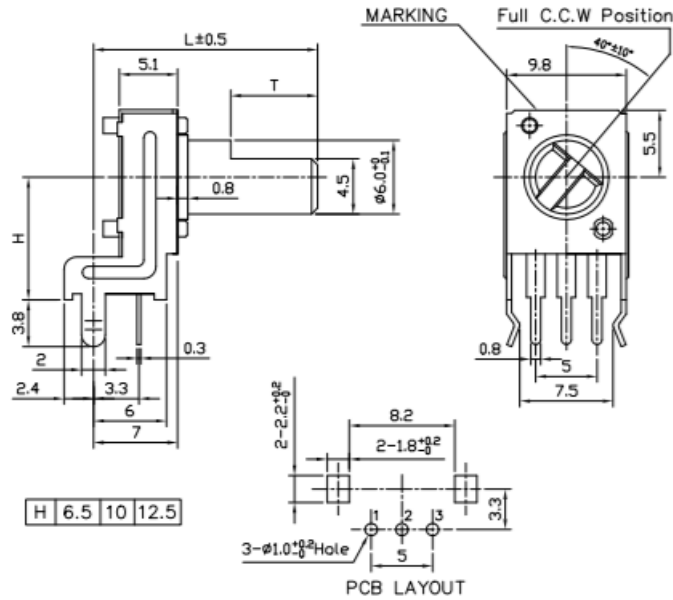
### CIRCUIT DIAGRAM



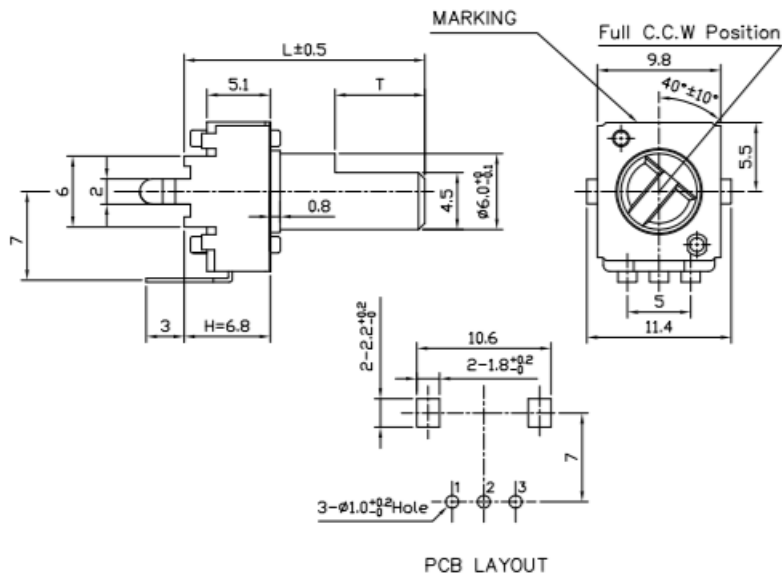
General Note  
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

### Outline Drawing

**Model P090L (Side Adjust)**

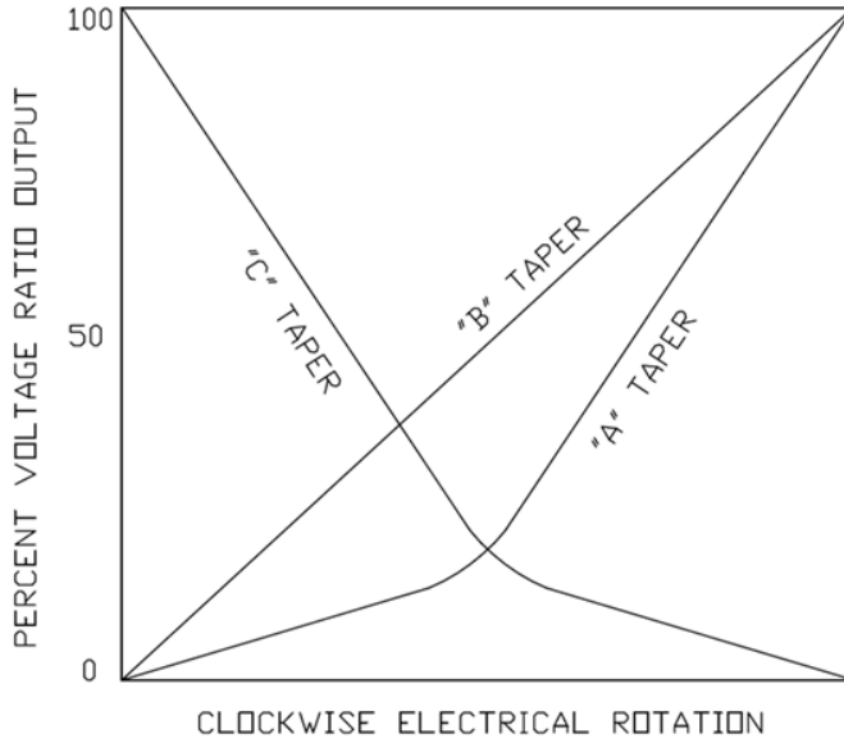


**Model P090S (Top Adjust)**



# Panel Potentiometer

## Model P090 Series



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.