

# 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   |

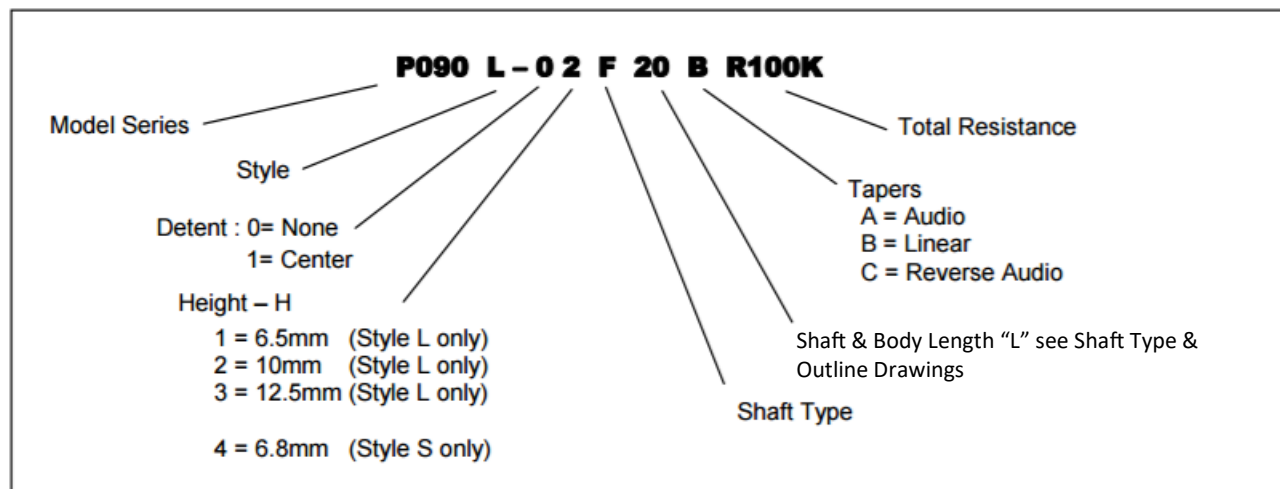
### Environmental

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

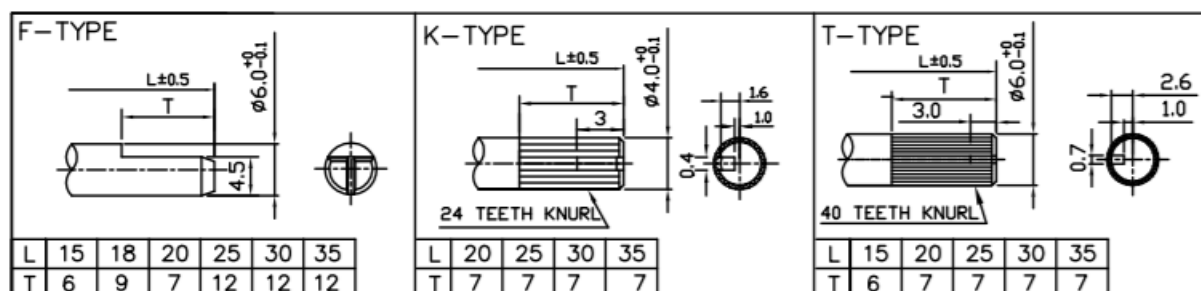
#### General Note

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.

### Ordering



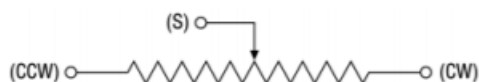
### Shaft Type



### STANDARD RESISTANCE VALUES, OHMS

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

### CIRCUIT DIAGRAM

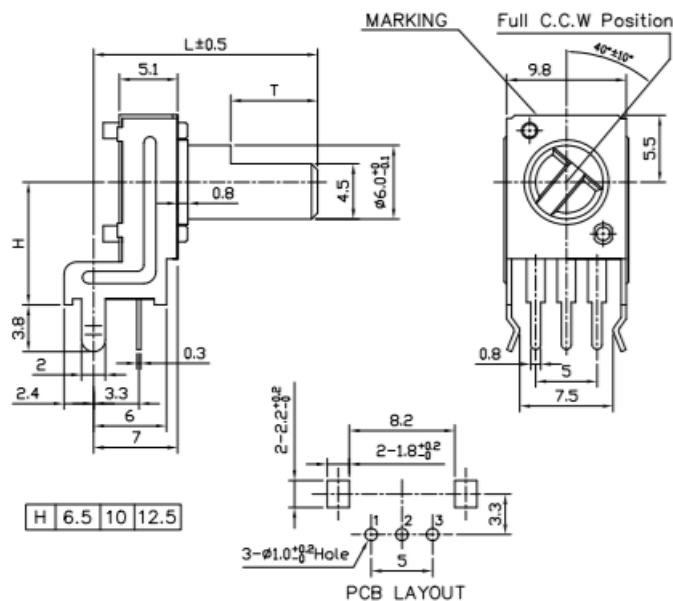


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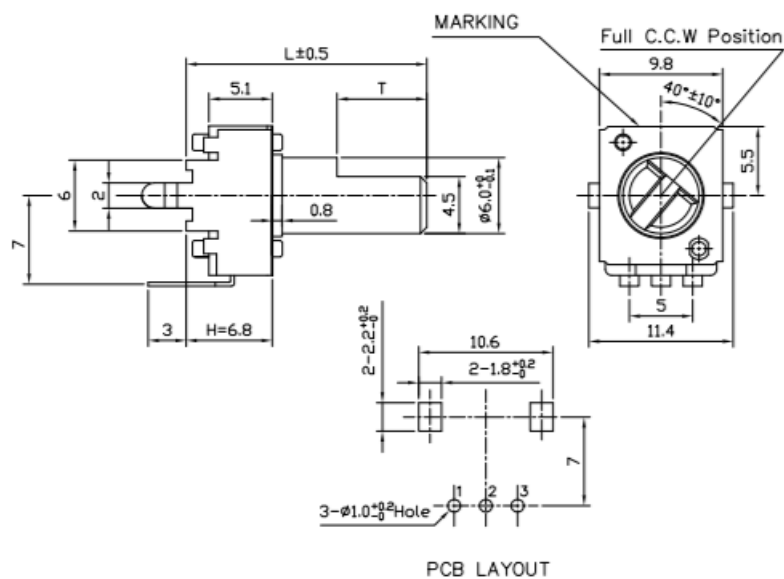
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### Outline Drawing

**Model P090L (Side Adjust)**

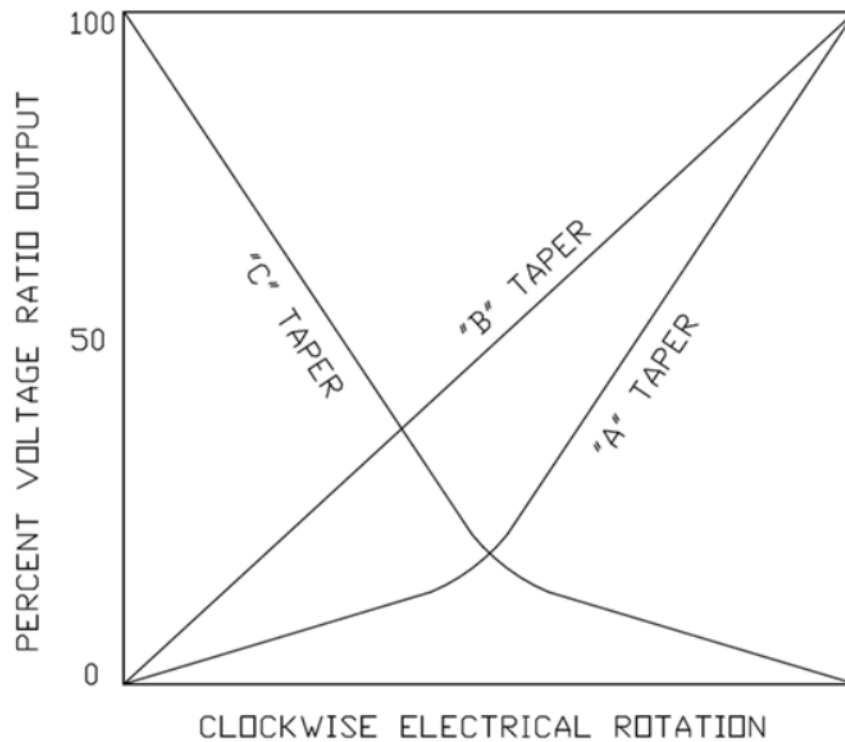


**Model P090S (Top Adjust)**



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