

# 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

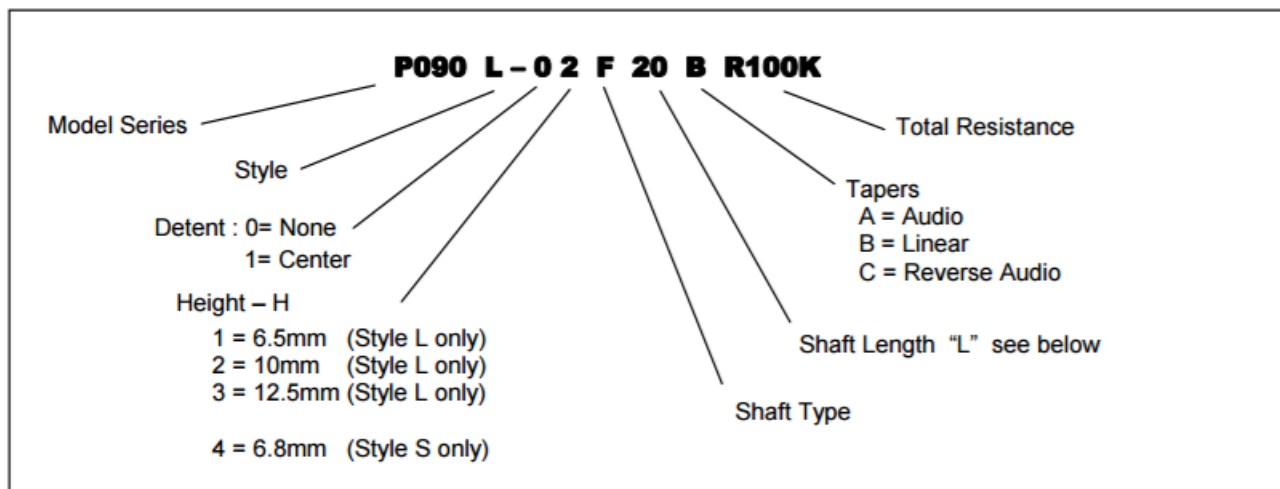
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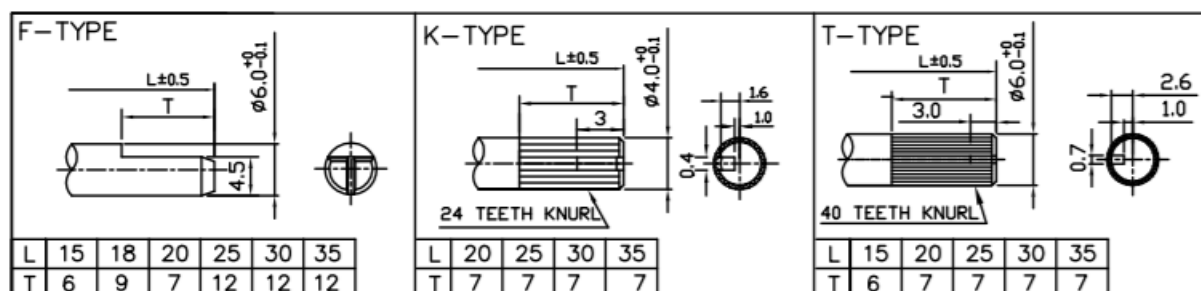
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## Ordering



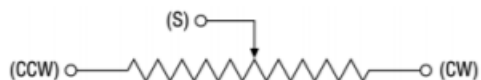
### Shaft Type



### STANDARD RESISTANCE VALUES, OHMS

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

### CIRCUIT DIAGRAM



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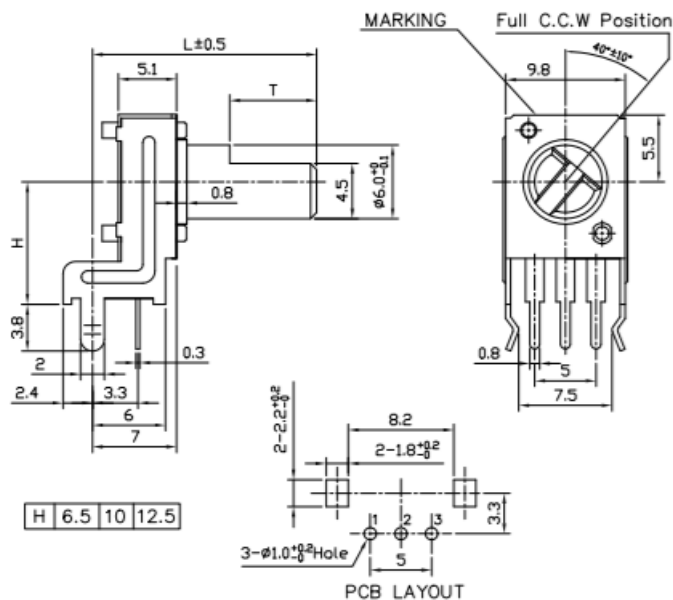
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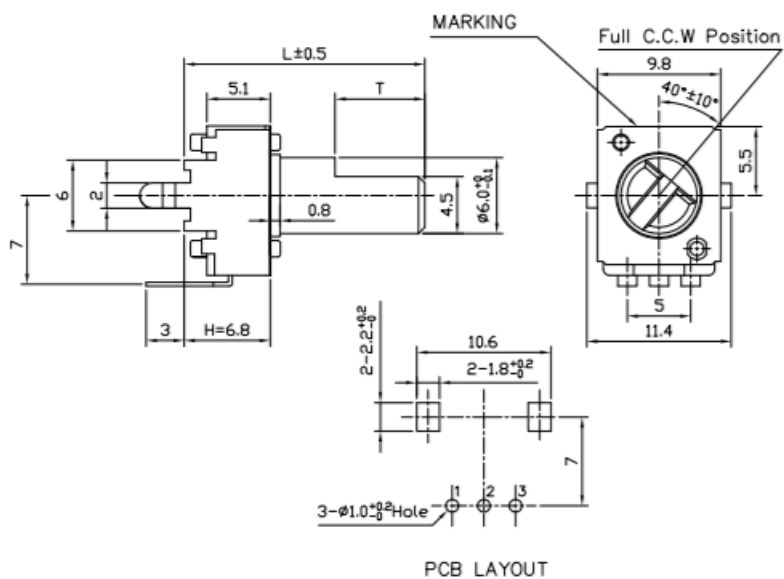
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### Model P090L (Side Adjust)



### Model P090S (Top Adjust)

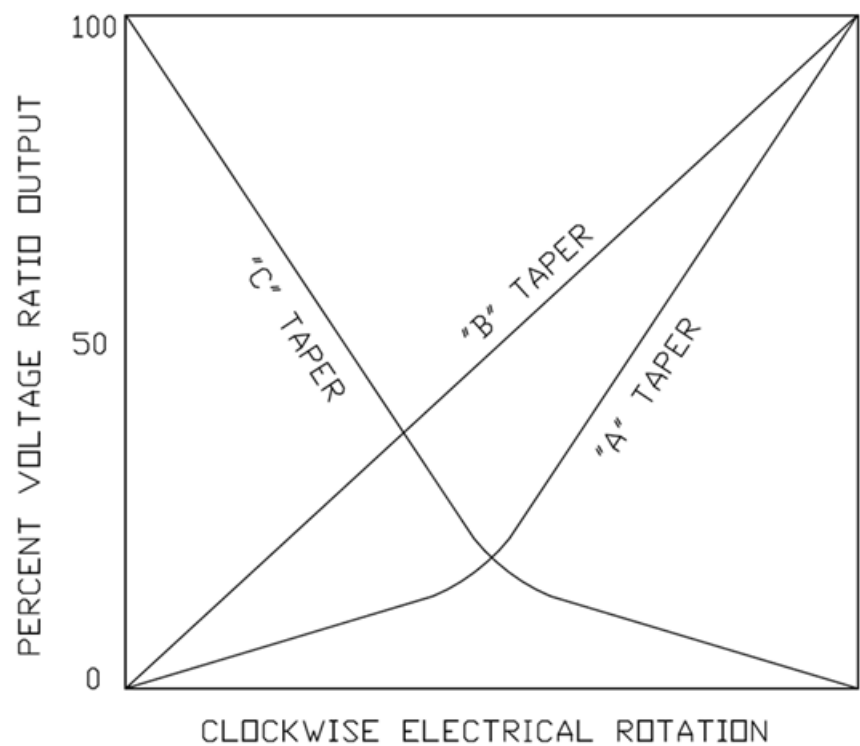


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