

# Rotary Potentiometer

## P140 Series



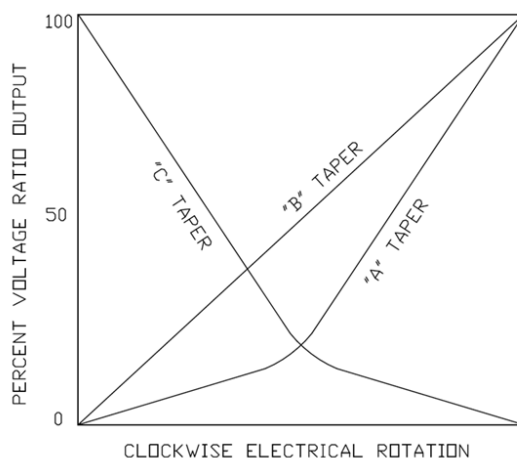
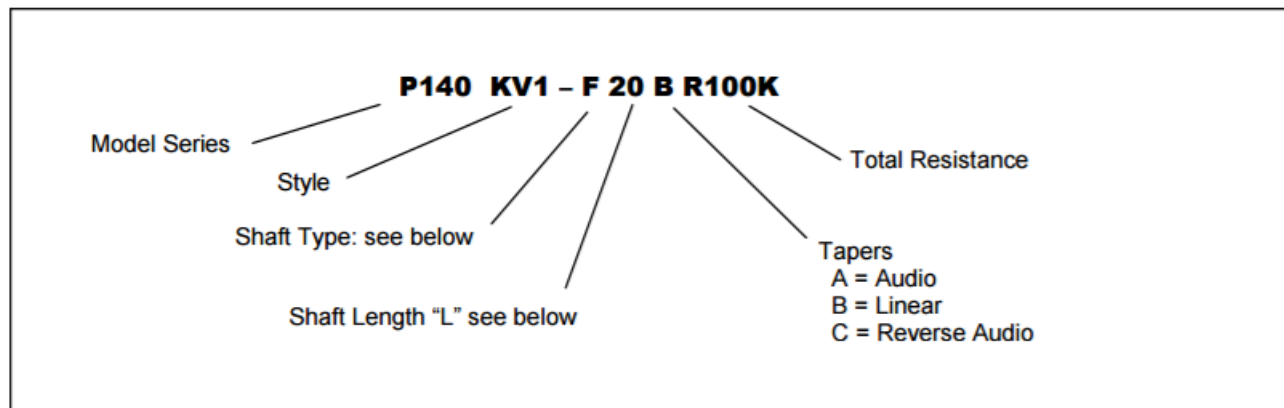
### Features:

- 14 mm
- Conductive plastic element
- Dual unit
- With/without bushing
- Insulated shaft
- RoHS compliant



### Model Styles

|                              |         |
|------------------------------|---------|
| Side Adjust, without Bushing | P140KV  |
| Side Adjust, with Bushing    | P140KV1 |
| Top Adjust, without Bushing  | P140KH  |
| Top Adjust, with Bushing     | P140KH1 |



#### 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.

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### Electrical Specifications

|                                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| Resistance Range, Ohms            | 500-2M (for "B" taper)<br>1K-2M (for other tapers) |
| Standard Resistance Tolerance     | ± 20%                                              |
| Residual Resistance               | 20 ohms max.                                       |
| Input Voltage, maximum            | 50 Vac max.                                        |
| Power rating, Watts               | 0.05w                                              |
| Dielectric Strength               | 500Vac, 1 minute                                   |
| Insulation Resistance, Minimum    | 100M ohms at 250Vdc                                |
| Sliding Noise                     | 100mV max.                                         |
| Gang Error ( Multi-ganged )       | -40dB – 0dB, ±3dB                                  |
| Actual Electrical Travel, Nominal | 260°                                               |

### Mechanical Specifications

|                         |                   |
|-------------------------|-------------------|
| Total Mechanical Travel | 300°± 10°         |
| Static Stop Strength    | 70 oz-in          |
| Rotational Torque       | 0.5 to 1.25 oz-in |

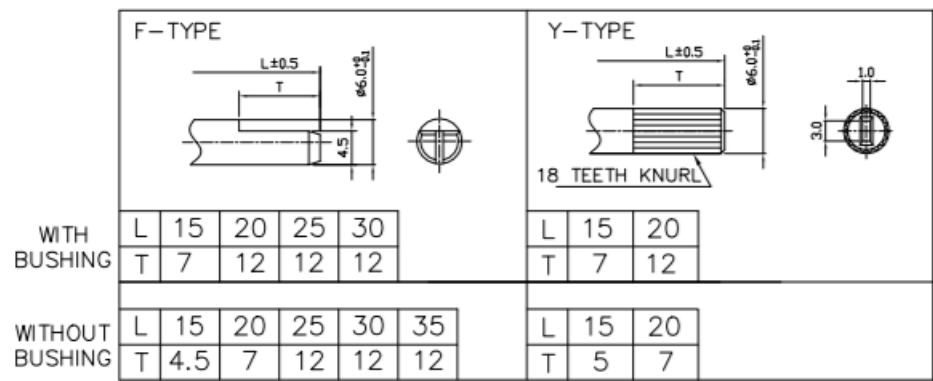
### Environmental Specifications

|                             |                |
|-----------------------------|----------------|
| Operating Temperature Range | -20°C to +70°C |
| Rotational Life             | 30,000 cycles  |

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Shaft Types

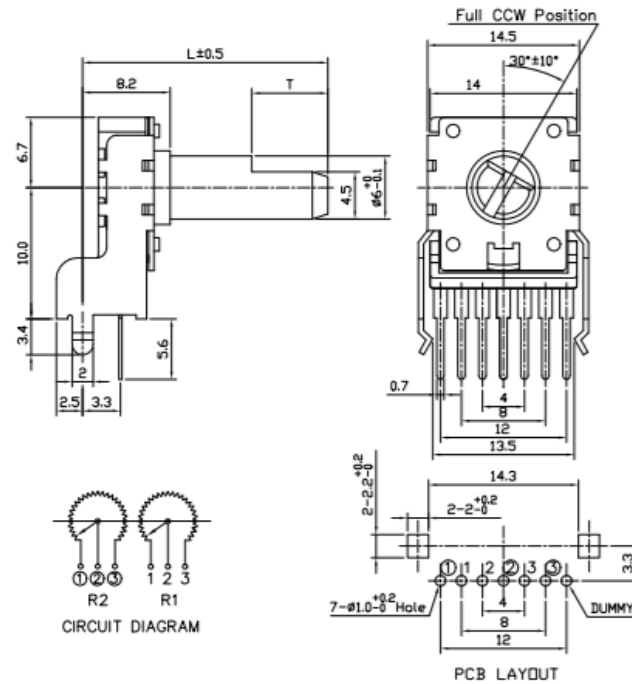


Standard Resistance Values, Ohms

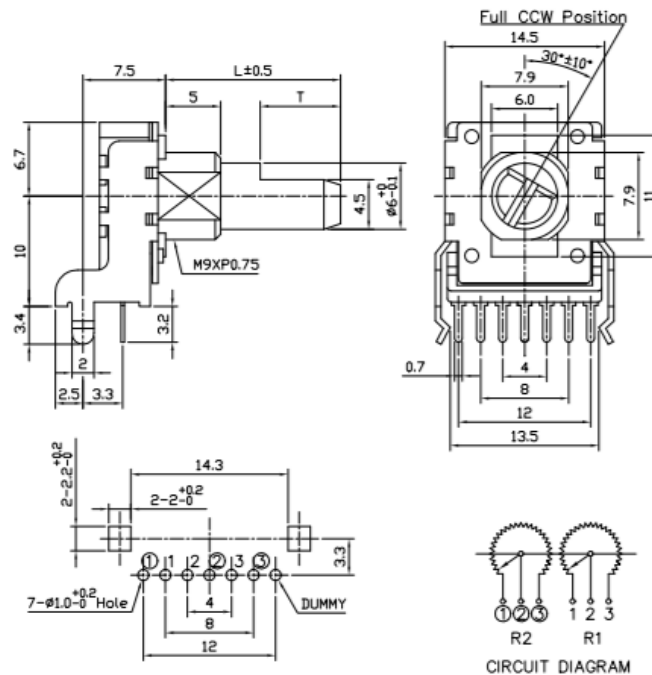
|     |    |    |    |     |     |     |      |      |      |      |
|-----|----|----|----|-----|-----|-----|------|------|------|------|
| 500 | 1K | 2K | 5K | 10K | 20K | 50K | 100K | 200K | 500K | 1MEG |
|-----|----|----|----|-----|-----|-----|------|------|------|------|

### Outline Drawings

**Model P140KV (Side Adjust, without Bushing)**



**Model P140KV1 (Side Adjust, with Bushing)**



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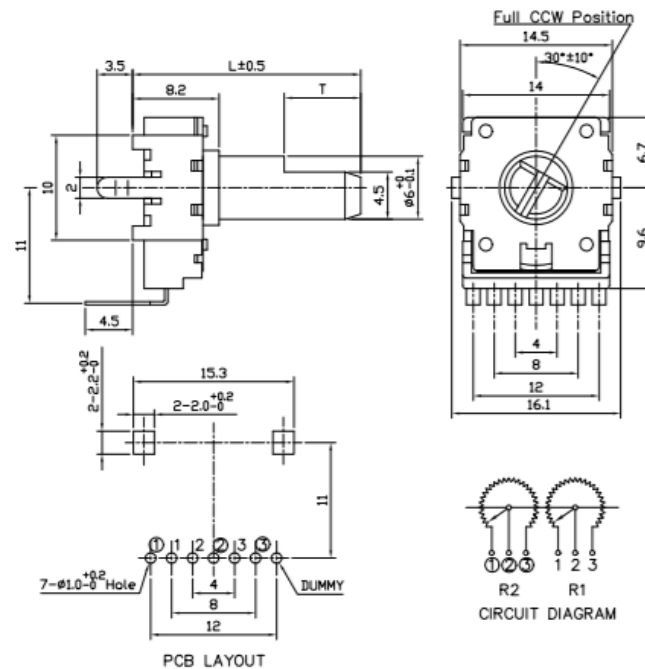
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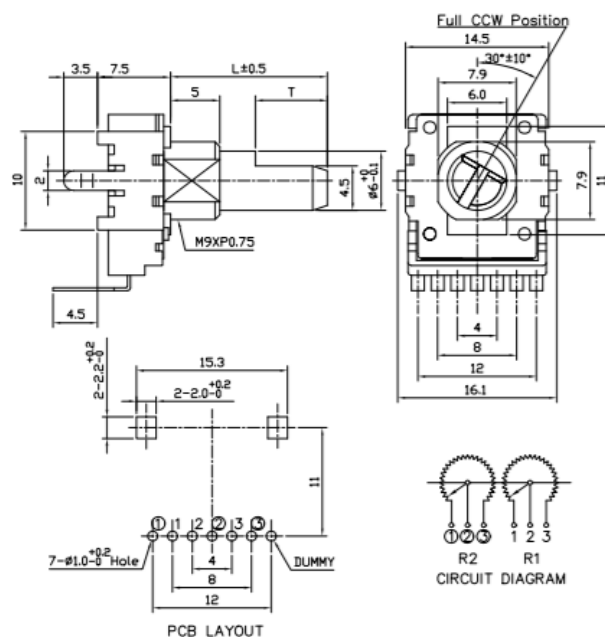


## Outline Drawings

**Model P140KH (Top Adjust, without Bushing)**



### Model P140KH1 (Top Adjust, with Bushing)



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