

# Model P140

## 14mm Rotary Potentiometer

### Dual Unit

### Conductive Plastic Element

### 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 |

#### ELECTRICAL<sup>1</sup>

|                                   |                                                    |
|-----------------------------------|----------------------------------------------------|
| 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

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

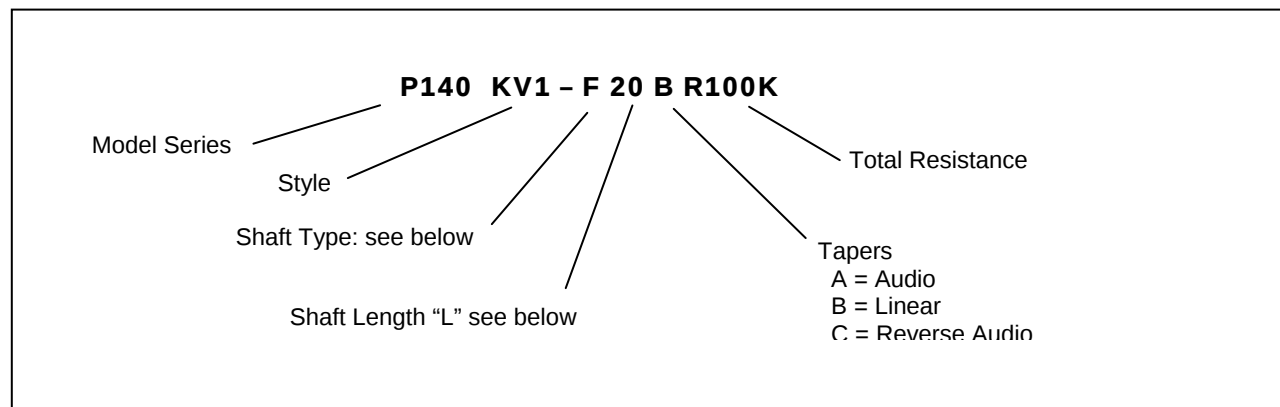
#### ENVIRONMENTAL

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

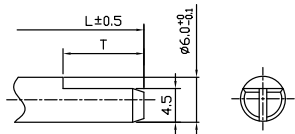
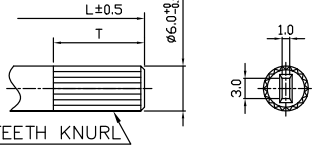
<sup>1</sup> Specifications subject to change without notice.

# Model P140

## ORDERING INFORMATION<sup>2</sup>



## Shaft Types

|                 | F-TYPE                                                                             |     |    |    |    |    | Y-TYPE                                                                              |    |    |  |
|-----------------|------------------------------------------------------------------------------------|-----|----|----|----|----|-------------------------------------------------------------------------------------|----|----|--|
|                 |  |     |    |    |    |    |  |    |    |  |
| WITH BUSHING    | L                                                                                  | 15  | 20 | 25 | 30 |    | L                                                                                   | 15 | 20 |  |
|                 | T                                                                                  | 7   | 12 | 12 | 12 |    | T                                                                                   | 7  | 12 |  |
| WITHOUT BUSHING | L                                                                                  | 15  | 20 | 25 | 30 | 35 | L                                                                                   | 15 | 20 |  |
|                 | T                                                                                  | 4.5 | 7  | 12 | 12 | 12 | T                                                                                   | 5  | 7  |  |

## STANDARD RESISTANCE VALUES, OHMS

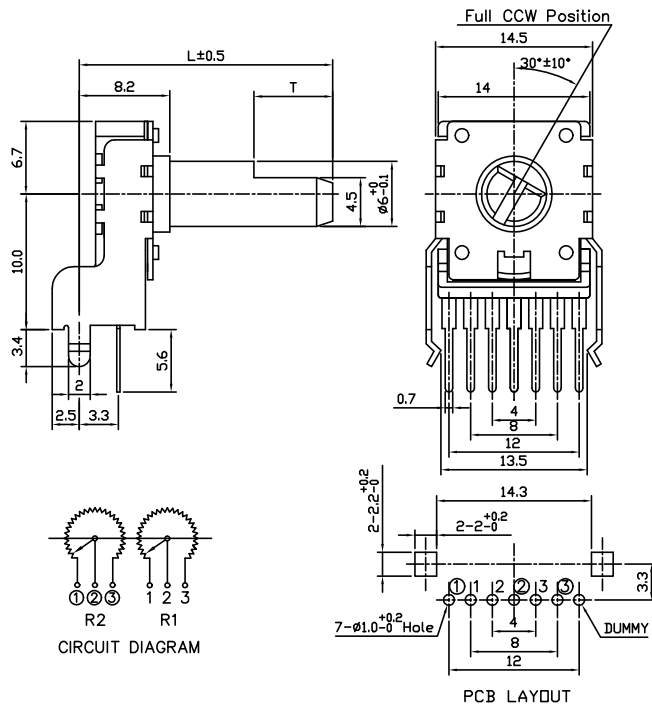
500    1K    2K    5K    10K    20K    50K    100K    200K    500K    1MEG

<sup>2</sup> Contact our customer service for custom designs and features.

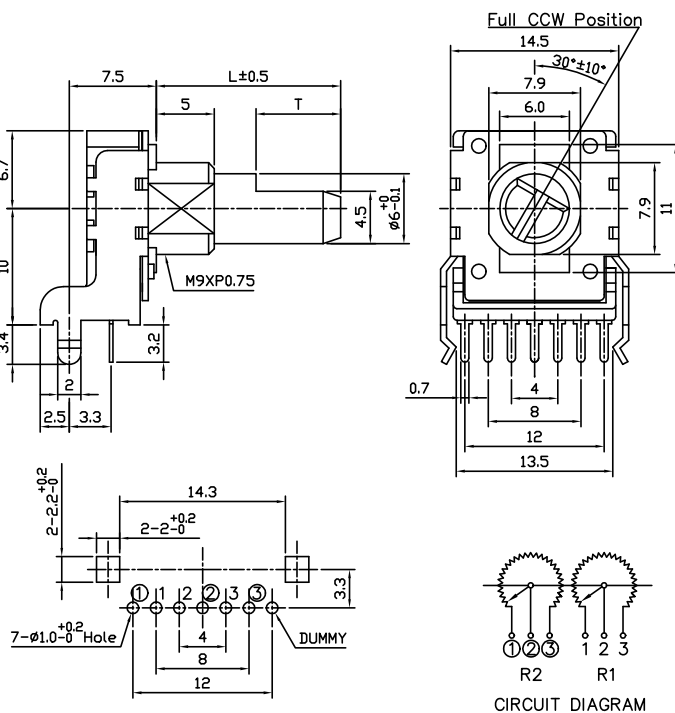
# Model P140

## OUTLINE DRAWING

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

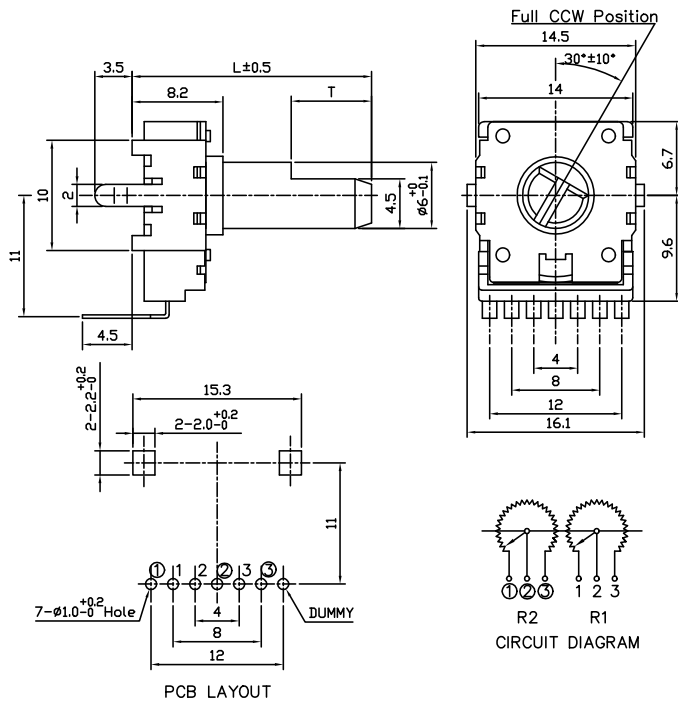


### Model P140KV1 (Side Adjust, with Bushing)

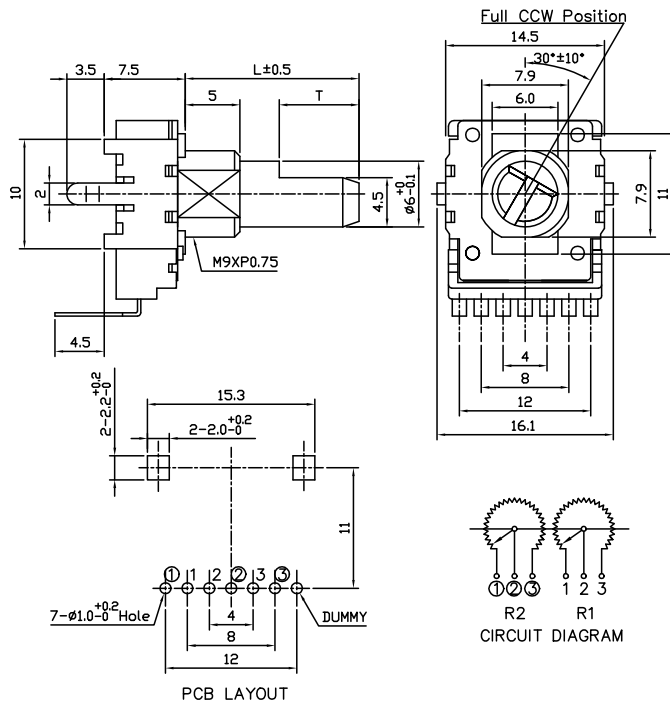


# Model P140

## Model P140KH (Top Adjust, without Bushing)



## Model P140KH1 (Top Adjust, with Bushing)



# Mouser Electronics

Authorized Distributor

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## BI Technologies:

[P140KV-Y15AR50K](#) [P140KH1-20AR20K](#) [P140KV1-Y20CR50K](#) [P140KV1-F20AR50K](#) [P140KV1-F20BR20K](#)  
[P140KH-F20CR50K](#) [P140KH-F20BR5K](#) [P140KV1-F25BR10K](#) [P140KV1-005A](#) [P140KV1-005B](#)

## TT electronics:

[P140KH1-F20AR5K](#) [P140KH1-F25BR10K](#) [P140KH-F20BR10K](#) [P140KH-F20AR50K](#) [P140KH1-F15AR50K](#)  
[P140KH1-F20CR50K](#) [P140KH1-F25AR100K](#) [P140KH1-F25BR100K](#) [P140KH1-F15BR5K](#) [P140KH-F20AR10K](#)  
[P140KH-Y15BR50K](#) [P140KH1-F25BR1K](#) [P140KH1-F15BR20K](#) [P140KH-F20BR50K](#)