

Model P160  
 16mm Rotary Potentiometer  
 Conductive Plastic Element  
 100,000 Cycle Life  
 Metal shaft / Bushing  
 Multi – Ganged available  
 RoHS Compliant



#### MODEL STYLES

|                                  |          |
|----------------------------------|----------|
| Side Adjust , Solder Lugs        | P160KNP  |
| Side Adjust , PC pins            | P160KN   |
| Side Adjust , PC Pins, Long pins | P160KN2  |
| Rear Adjust, PC pins             | P160KNPD |

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

|                                     |                            |
|-------------------------------------|----------------------------|
| Resistance Range, Ohms              | 500-1M                     |
| Standard Resistance Tolerance       | ± 20%                      |
| Residual Resistance                 | 20 ohms max.               |
| Power rating Input Voltage, maximum | 200 Vac max.               |
| Power Rated, Watts                  | 0.2W- B taper, 0.1W-others |
| Dielectric Strength                 | 500Vac, 1 minute           |
| Insulation Resistance, Minimum      | 100M ohms at 250Vdc        |
| Sliding Noise                       | 100mV max.                 |
| Actual Electrical Travel, Nominal   | 260°                       |

#### MECHANICAL

|                         |                   |
|-------------------------|-------------------|
| Total Mechanical Travel | 300°± 10°         |
| Static Stop Strength    | 90 oz-in          |
| Rotational Torque       | 0.5 to 1.25 oz-in |

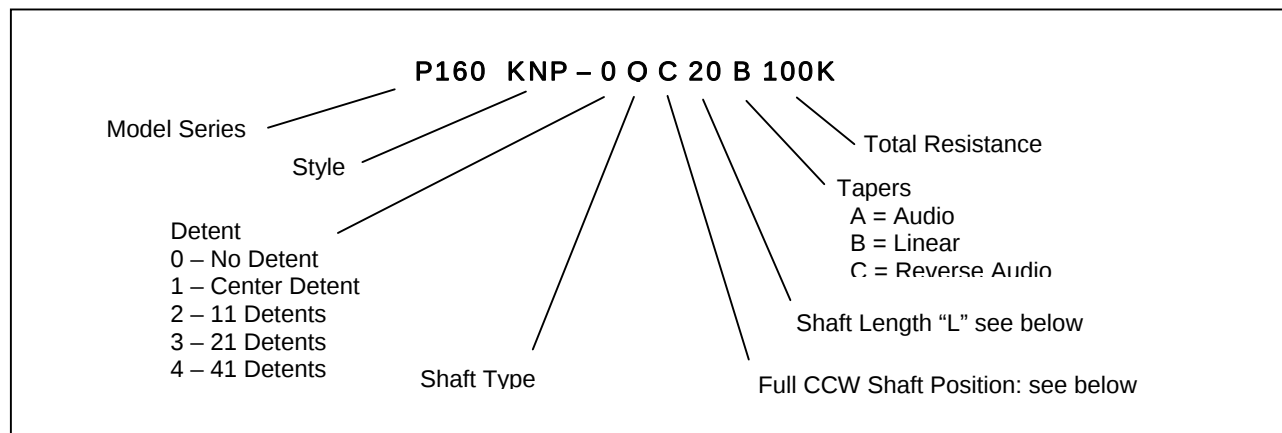
#### ENVIRONMENTAL

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

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

# Model P160

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

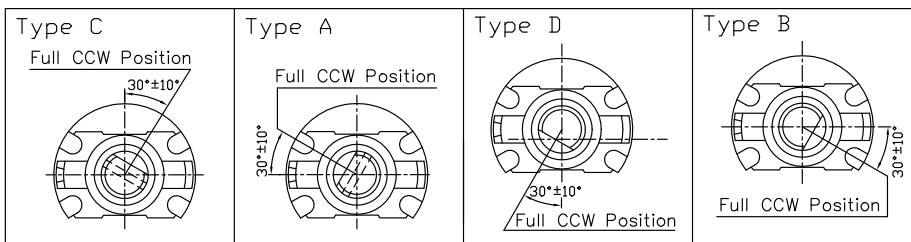


### Shaft Types

| E-TYPE |    |    |    |    |    |    |    |  |  | F-TYPE |    |    |    |    |    |    | Q-TYPE |     |     |    |    |    |    |    |    |    |    |    |
|--------|----|----|----|----|----|----|----|--|--|--------|----|----|----|----|----|----|--------|-----|-----|----|----|----|----|----|----|----|----|----|
|        |    |    |    |    |    |    |    |  |  |        |    |    |    |    |    |    |        |     |     |    |    |    |    |    |    |    |    |    |
| L      | 10 | 15 | 20 | 25 | 30 | 35 | 40 |  |  | L      | 15 | 18 | 20 | 25 | 30 | 35 | L      | 10  | 12  | 13 | 14 | 15 | 17 | 20 | 25 | 30 | 35 | 45 |
| T      | 7  | 10 | 12 | 12 | 12 | 12 | 12 |  |  | T      | 7  | 10 | 12 | 12 | 12 | 12 | T      | 2.5 | 4.5 | 4  | 5  | 6  | 8  | 10 | 12 | 12 | 12 | 12 |

### Shaft Position (F-Type Shaft)

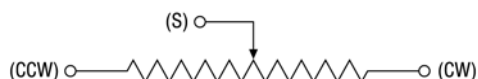
Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



## STANDARD RESISTANCE VALUES, OHMS

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

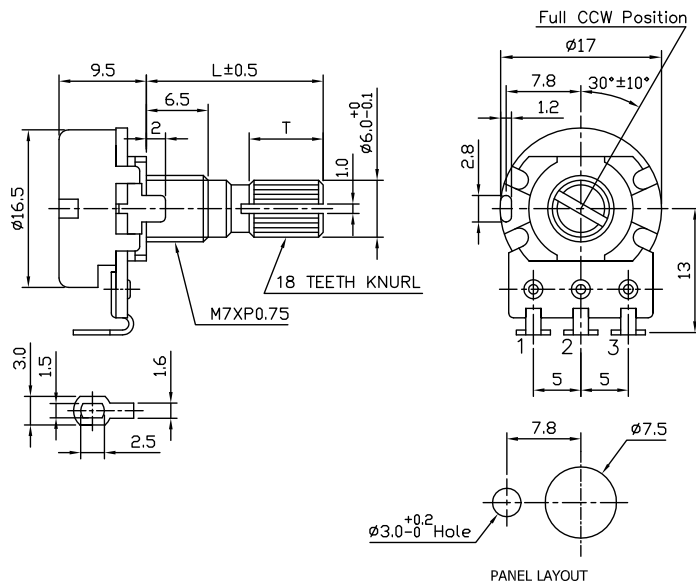
## CIRCUIT DIAGRAM



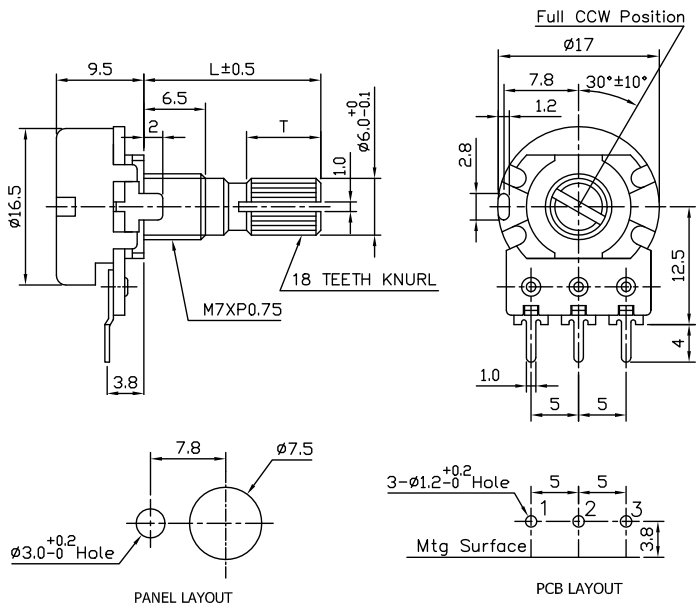
# Model P160

## OUTLINE DRAWING

### Model P160KNP (Side Adjust , Solder Lugs)



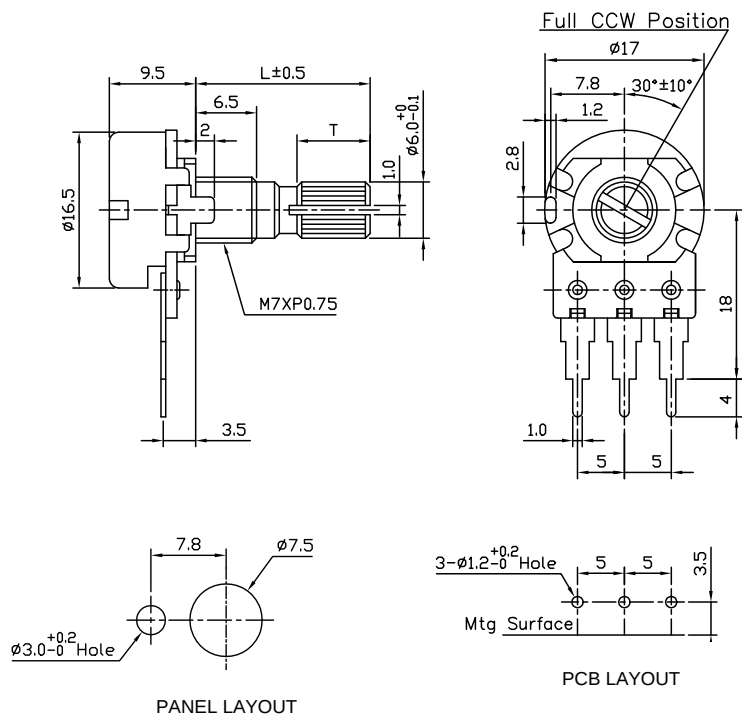
### Model P160KN (Side Adjust , PC pins)



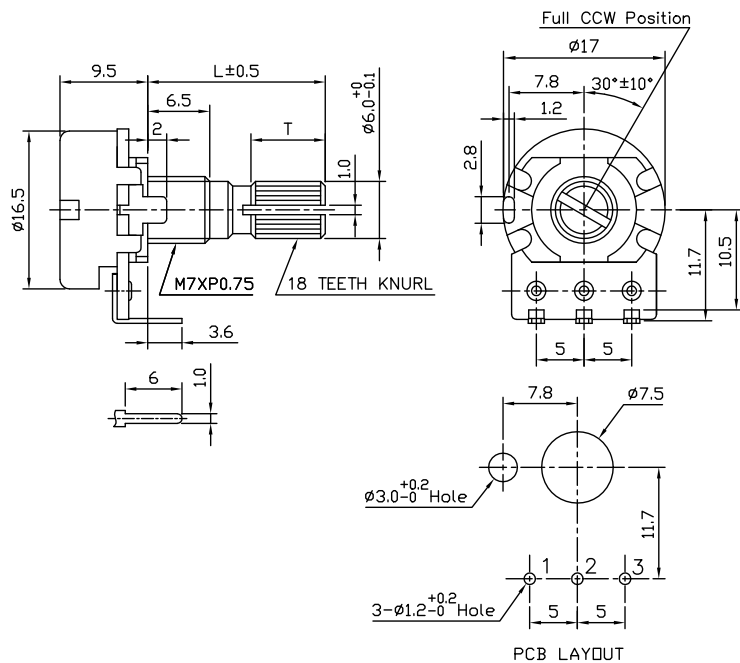
<sup>2</sup> Contact our customer service for custom designs and features.

# Model P160

## Model P160KN2 (Side Adjust , PC Pins, Long pins)



## Model P160KNPD (Rear Adjust , PC Pins)



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## BI Technologies:

[P160KN-0Q15A100K](#)

## TT electronics:

[P160KN2-0ECB1MEG](#) [P160KNP-0QD20B50K](#) [P160KNP-0EC25B5K](#) [P160KN-0FC18C2K5](#) [P160KNP-0QC15B200K](#) [P160KN-1EC20B20K](#) [P160KN2-0QA25B1K](#) [P160KNP-0QC20B100K](#) [P160KNPD-4QC15A5K](#) [P160KNP-0Q20B10K](#) [P160KNP-0QC20B50K](#) [P160KN2-0ECB50K](#) [P160KN2-0EC15B50K](#) [P160KN2-0ECB100K](#) [P160KN2-0EB10B100K](#) [P160KN-0EC15B100K](#) [P160KNP-0QC15B200K](#) [P160KN-0QC15B250K](#) [P160KN2-0QA25B10K](#) [P160KNPD-4QA15A5K](#) [P160KNP-0QC15B50K](#) [P160KN2-0EC15B10K](#) [P160KN2 0QC17B50K](#) [P160KNP-0QC15B10K](#) [P160KN-0E15B25K](#) [P160KN-0EC15A500K](#) [P160KN-0EC15A5K](#) [P160KN-0EC15B1MEG](#) [P160KN-0Q15B1MEG](#) [P160KN2-0QC17B10](#) [P160KN2-0QC17B100K](#) [P160KNP-0EA15A20K](#) [P160KNP-0EC15A100K](#) [P160KNP-0EC15A10K](#) [P160KNP-0EC15A1MEG](#) [P160KNP-0EC15B250K](#) [P160KNP-0EC15B25K](#) [P160KNP-0EC15B2K](#) [P160KNP-0QC20A500K](#) [P160KNP-1FD15B10K](#) [P160KNP-4FB20B10K](#) [P160KNP-4FC15B100K](#) [P160KNPD-0EC25C20K](#) [P160KN-0QC15A100K](#) [P160KNP-0EC15B10K](#) [P160KNP-0EC15A250K](#) [P160KN-0EA15B10K](#) [P160KNP-0EC15B100K](#) [P160KN-1QC15B10K](#) [P160KNP-0QC20A100K](#) [P160KNP-0QC20B4K7](#) [P160KNP-0QC20A250K](#) [P160KNPD-0FB25B100K](#) [P160KNP-0FC25B10K](#) [P160KN-0EC20B1MEG](#) [P160KNP-0QC10B10K](#) [P160KNP-1EC20B10K](#) [P160KNP-0QC15B100K](#) [P160KN-0QC15A250K](#) [P160KNP-0EC15B500K](#) [P160KNP-0FC20B10K](#) [P160KNP-0QC20C500K](#) [P160KN-0QC15C250K](#) [P160KNP-0E15C500K](#) [P160KNPD-0EC25C500K](#) [P160KNP-0EA20A50K](#) [P160KNP-0EC15C500K](#) [P160KNP-0QC2B100K](#) [P160KNP-0E15B5K](#) [P160KN2-0QC20B100K](#) [P160KN2-0QC15B1MEG](#) [P160KN-0QC15B1K](#) [P160KNP-0EA15A1MEG](#) [P160KNP-0FB15B10K](#) [P160KNP-0QD2B100K](#) [P160KN-0QC20B10K](#) [P160KNP-0FC25A10K](#) [P160KNP-0QC20A25K](#) [P160KNP-0FC10B100K](#) [P160KNP-0FD20A100K](#) [P160KNP-0FC25B50K](#) [P160KNPD-0QA17B1K](#) [P160KNP-0FC15B10K](#) [P160KNP-0QC20A10K](#) [P160KNP-0QC20B25K](#) [P160KNP-0QC15A1K](#) [P160KNP-0E15C200K](#) [P160KN-0EA15A100K](#) [P160KNP-0QC20B250K](#) [P160KNP-0QC20B500K](#) [P160KNP-0QC15C100K](#) [P160KNPD-0QC15A10K](#) [P160KNP-0FC18B100K](#) [P160KNP-2FD15B10K](#) [P160KNP-0QC20A1MEG](#) [P160KNP-0EC15C1MEG](#) [P160KNP-0FC15A10K](#) [P160KN-0FD18C10K](#) [P160KN-0QC15C500K](#) [P160KN-0FC20A1MEG](#)