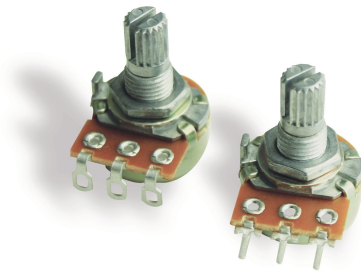


Model P160
16mm Rotary Potentiometer
Conductive Plastic Element
100,000 Cycle Life
Metal shaft / Bushing
Multi – Ganged available
RoHS Compliant



MODEL STYLES

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

ELECTRICAL¹

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, Maximum	2.5 oz-in

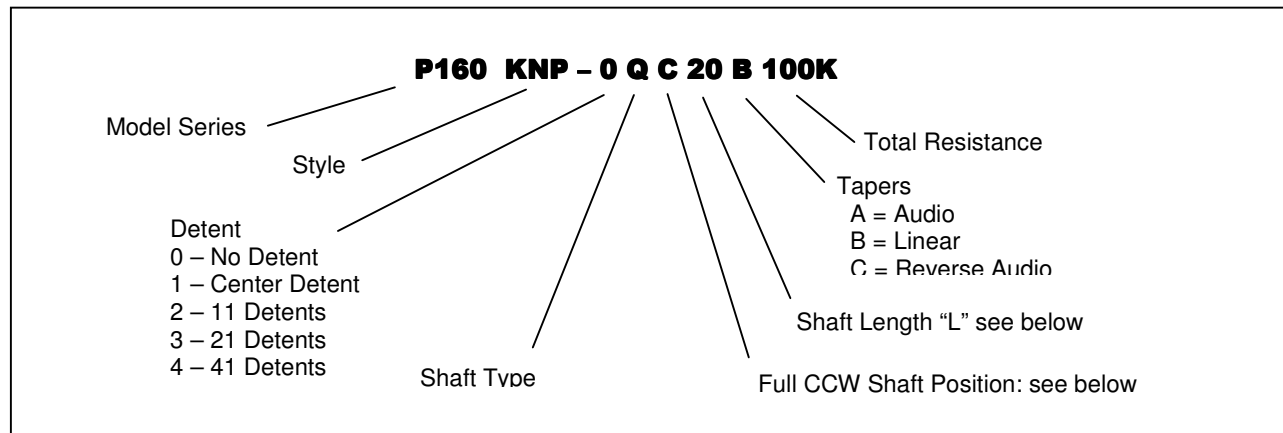
ENVIRONMENTAL

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

¹ Specifications subject to change without notice.

Model P160

ORDERING INFORMATION²



Shaft Types

E-TYPE

L	10	15	20	25	30	35	40
T	7	10	12	12	12	12	

F-TYPE

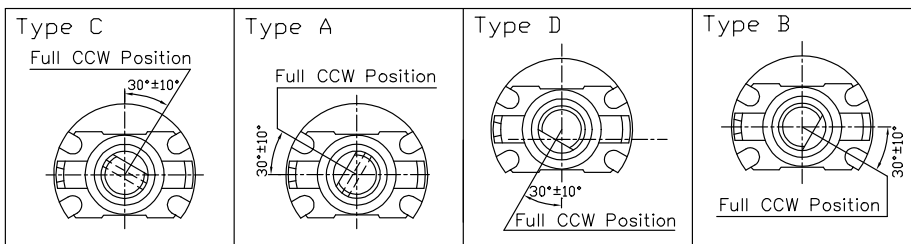
L	15	18	20	25	30	35
T	7	10	12	12	12	12

Q-TYPE

L	10	12	13	14	15	17	20	25	30	35	45
T	2.5	4.5	4	5	6	8	10	12	12	12	12

Shaft Position (F-Type Shaft)

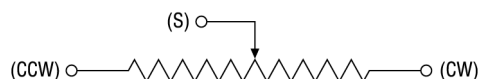
Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



STANDARD RESISTANCE VALUES, OHMS

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

CIRCUIT DIAGRAM



OUTLINE DRAWING

Technical drawing of the 18-Teeth Knurl (18TK) showing three views: a side view, a front view, and a panel layout.

Side View Dimensions:

- Overall length: $L \pm 0.5$
- Knurl length: 9.5
- Knurl diameter: $\phi 16.5$
- Knurl height: 6.5
- Knurl thread: M7XP0.75
- Knurl diameter: $\phi 6.0 \pm 0.1$
- Knurl height: 1.0
- Knurl diameter: $\phi 6.0 \pm 0.1$
- Knurl height: 1.6
- Knurl diameter: $\phi 3.0 \pm 0.2$
- Knurl height: 1.5
- Knurl diameter: $\phi 3.0 \pm 0.2$
- Knurl height: 2.5

Front View Dimensions:

- Overall diameter: $\phi 17$
- Knurl diameter: 7.8
- Knurl height: 1.2
- Knurl angle: $30^\circ \pm 10^\circ$
- Knurl height: 2.8
- Knurl diameter: 13
- Knurl height: 5
- Knurl diameter: 5
- Knurl height: 5
- Knurl diameter: 5

Panel Layout Dimensions:

- Overall diameter: $\phi 7.5$
- Knurl diameter: 7.8
- Knurl height: $\phi 3.0 \pm 0.2$ Hole

Technical drawing of the PCB layout for the 18-TEETH KNURL. The drawing includes three views: a side view, a top view, and a bottom view.

Side View: Shows the cylindrical component with a knurl. Dimensions include a total length of $L \pm 0.5$, a knurl length of 6.5, a knurl pitch of 2, a knurl width of 1.0, and a knurl diameter of $\text{Ø}6.0 \pm 0.1$. The knurl has 18 teeth. The side view also shows a mounting flange with a diameter of $\text{Ø}16.5$ and a mounting hole diameter of $\text{Ø}3.0 \pm 0.2$.

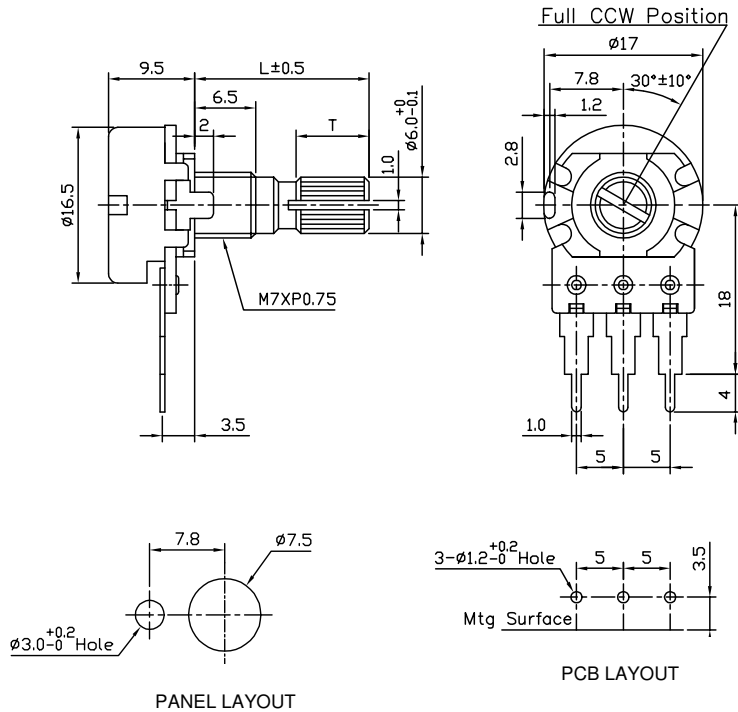
Top View: Shows a circular component with a diameter of $\text{Ø}17$ and a mounting hole diameter of $\text{Ø}3.0 \pm 0.2$. The top view also shows a mounting surface with three mounting holes, each with a diameter of $\text{Ø}1.2 \pm 0.2$, and a mounting surface diameter of $\text{Ø}3.8$.

Bottom View: Shows a circular component with a diameter of $\text{Ø}7.5$ and a mounting hole diameter of $\text{Ø}3.0 \pm 0.2$. The bottom view also shows a mounting surface with three mounting holes, each with a diameter of $\text{Ø}1.2 \pm 0.2$, and a mounting surface diameter of $\text{Ø}3.8$.

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Model P160

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



Model P160KNPD (Rear Adjust , PC Pins)

