

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	0.5 to 1.25 oz-in

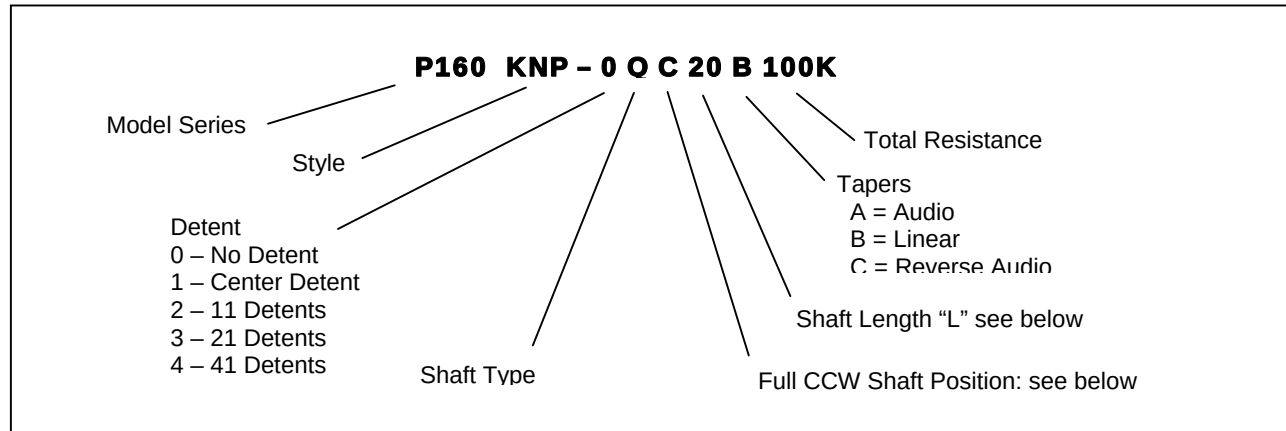
ENVIRONMENTAL

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

Technical drawing of E-TYPE shaft. The shaft has a total length of $L \pm 0.5$. It features a central section with a diameter of $\phi 6.0_{-0.1}^{+0}$ and a length of 1.5. The distance from the left end to the start of the central section is 1.0. The distance from the end of the central section to the right end is 1.0.

L	10	15	20	25	30	35	40
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F-TYPE

Technical drawing of F-TYPE shaft. The shaft has a total length of $L \pm 0.5$. It features a central section with a diameter of $\phi 6.0_{-0.1}^{+0}$ and a length of T . The distance from the left end to the start of the central section is 4.5. The distance from the end of the central section to the right end is 4.5.

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

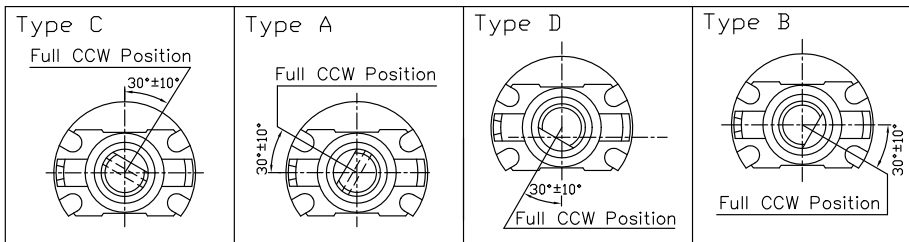
Q-TYPE

Technical drawing of Q-TYPE shaft. The shaft has a total length of $L \pm 0.5$. It features a central section with a diameter of $\phi 6.0_{-0.1}^{+0}$ and a length of T . The distance from the left end to the start of the central section is 1.0. The distance from the end of the central section to the right end is 1.0.

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)

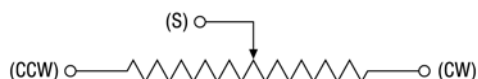
Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



STANDARD RESISTANCE VALUES, OHMS

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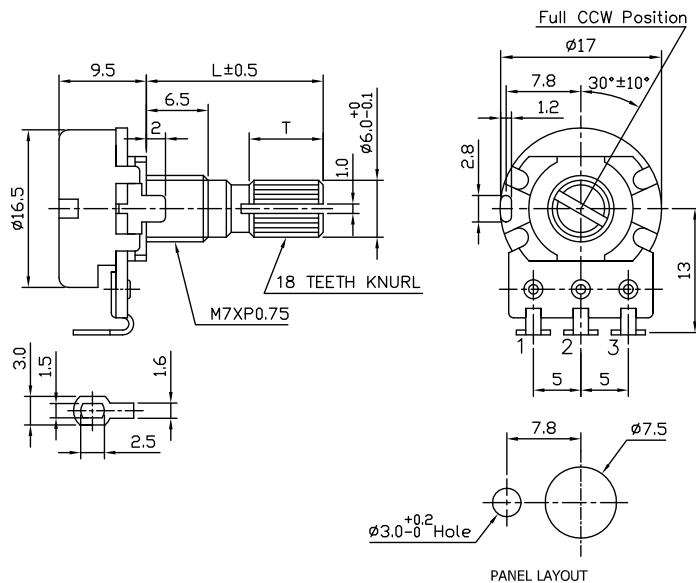
CIRCUIT DIAGRAM



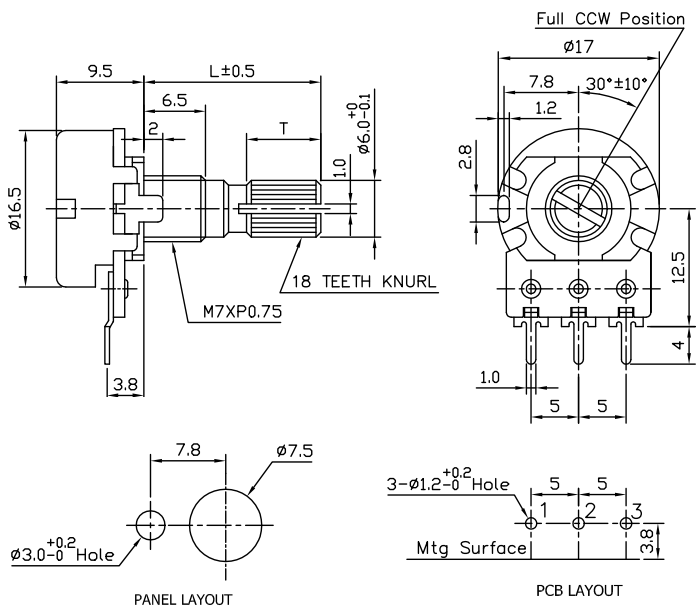
Model P160

OUTLINE DRAWING

Model P160KNP (Side Adjust , Solder Lugs)



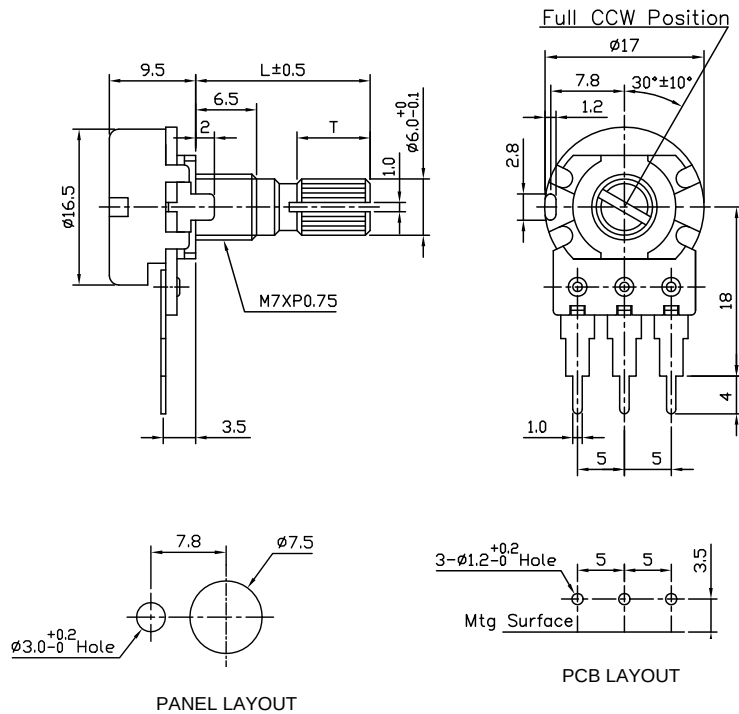
Model P160KN (Side Adjust , PC pins)



² 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)

