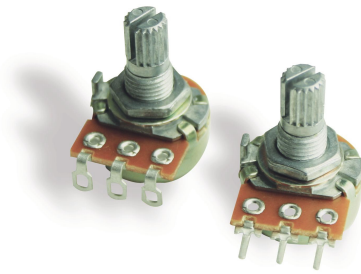


Model P160
16mm Rotary Potentiometer
Conductive Plastic Element
100,000 Cycle Life
Metal shaft / Bushing
Multi – Ganged available
RoHS Compliant



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

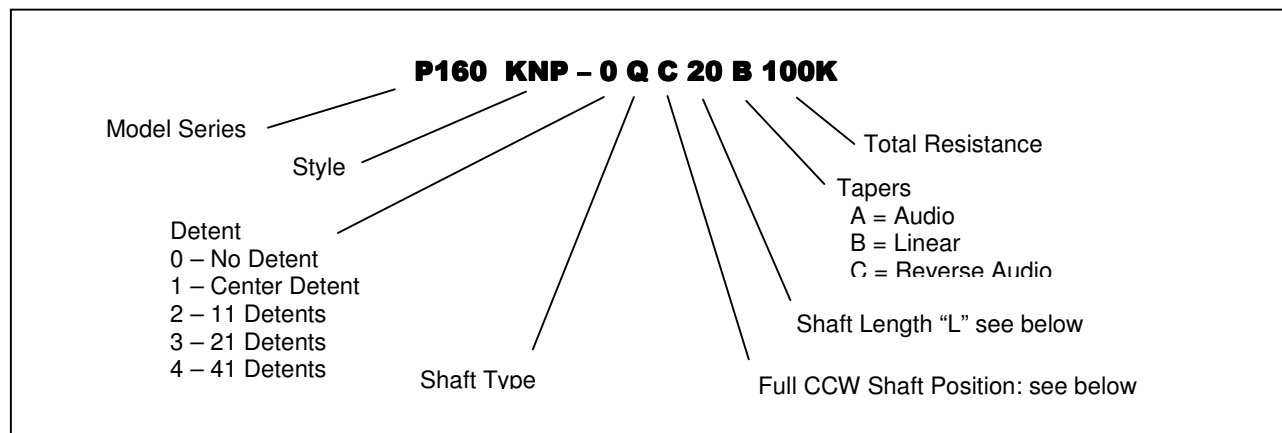
ENVIRONMENTAL

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

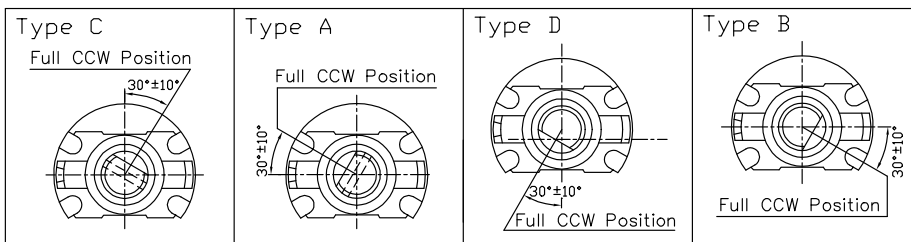
L	15	18	20	25	30	35
T	7	10	12	12	12	12

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	15

Shaft Position (F-Type Shaft)

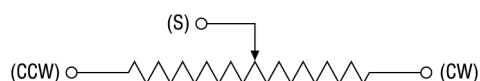
Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



STANDARD RESISTANCE VALUES, OHMS

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

CIRCUIT DIAGRAM



OUTLINE DRAWING

[illegible]

Technical drawing of the M7XP0.75 connector, showing side, front, and layout views.

Side View (Top): Shows the connector profile with dimensions: 9.5, 6.5, $L \pm 0.5$, 2, 1.0, $\phi 6.0 \pm 0.1$, 3.8, and 16.5. The thread is labeled M7XP0.75 and the contact is labeled 18 TEETH KNURL.

Front View (Top Right): Shows the circular face with dimensions: $\phi 17$, 7.8, $30^\circ \pm 10^\circ$, 1.2, 2.8, 12.5, 4, 1.0, 5, 5, and 3.8. A note indicates "Full CCW Position".

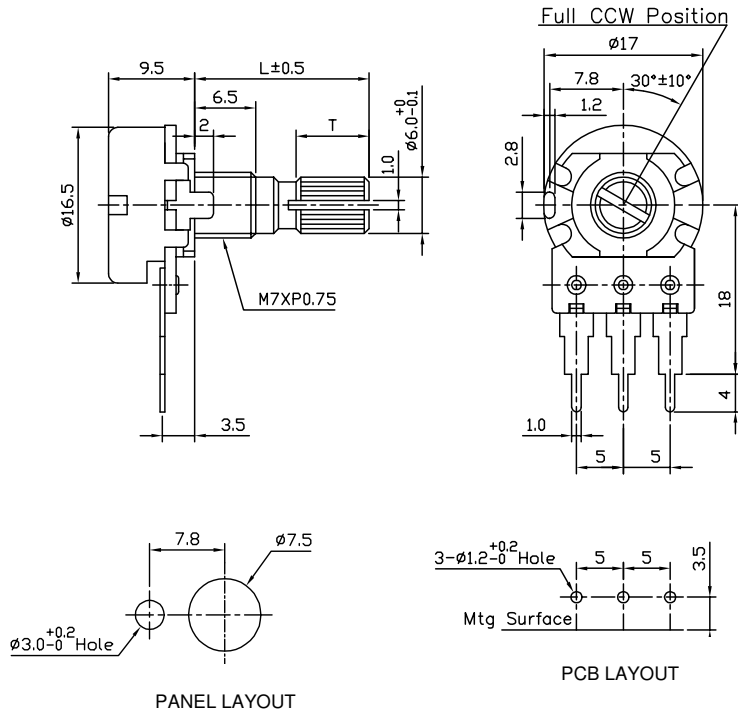
Panel Layout (Bottom Left): Shows the circular footprint with dimensions: 7.8, $\phi 7.5$, and $\phi 3.0 \pm 0.2$ Hole.

PCB Layout (Bottom Right): Shows the mounting surface with dimensions: 3- $\phi 1.2 \pm 0.2$ Hole, 5, 5, 3.8, and 1.0. The holes are numbered 1, 2, and 3.

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Model P160

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



Model P160KNPD (Rear Adjust , PC Pins)

