

Rotary Potentiometer

P160 Series



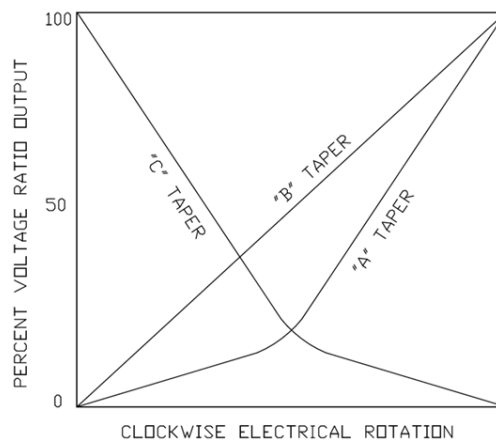
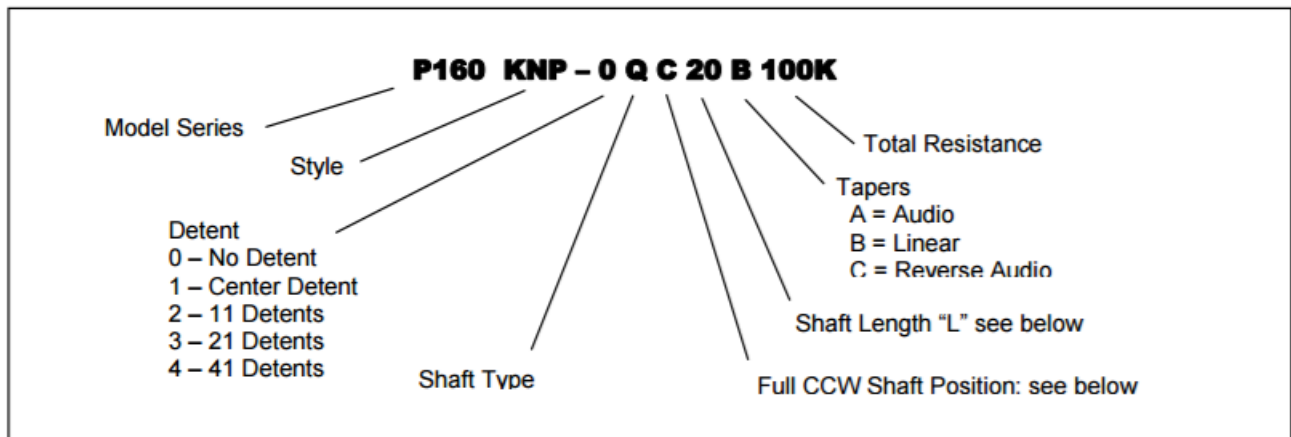
Features:

- 16 mm
- 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 |



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Electrical Specifications

| | |
|-------------------------------------|----------------------------|
| 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° |

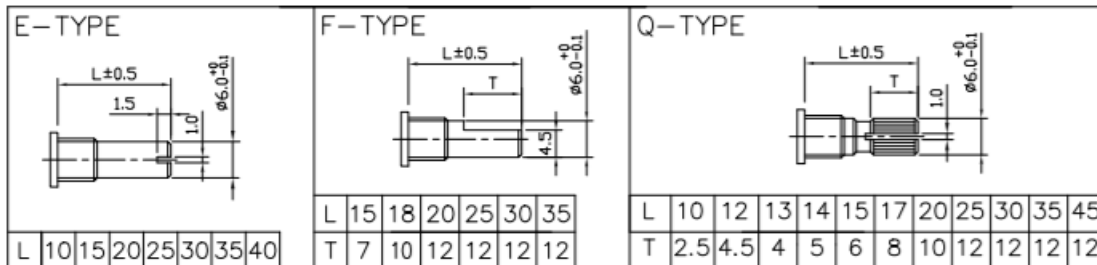
Mechanical Specifications

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

Environmental Specifications

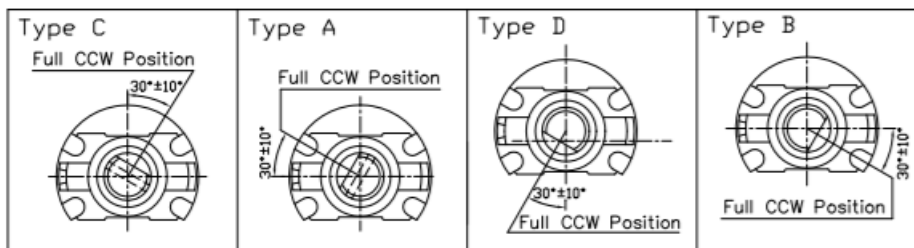
| | |
|-----------------------------|----------------|
| Operating Temperature Range | -20°C to +70°C |
| Rotational Life | 100,000 cycles |

Shaft Types



Shaft Position (F-Type Shaft)

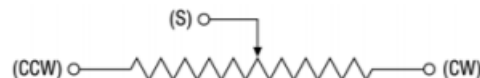
Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



Standard Resistance Values, Ohms

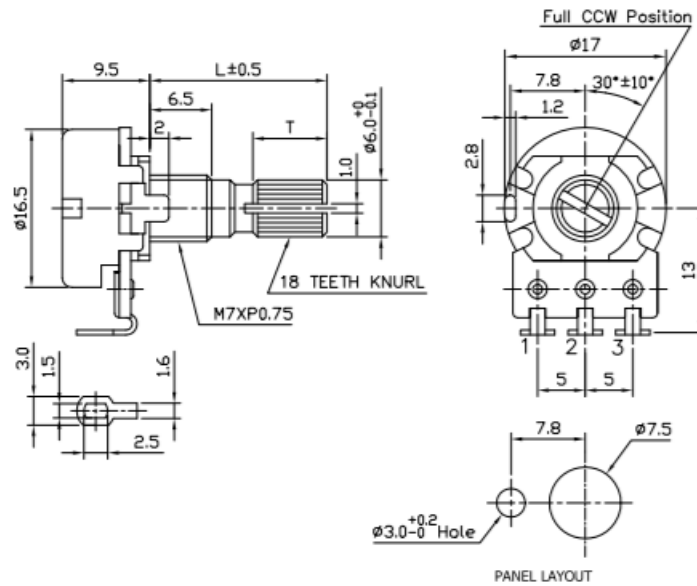
100 200 500 1K 2K 5K 10K 20K 50K 100K 200K 500K 1MEG

Circuit Diagram

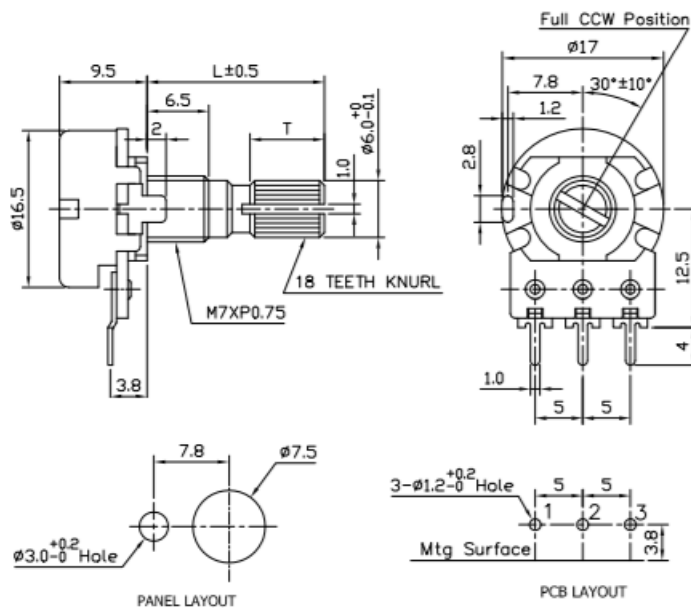


Outline Drawings

Model P160KNP (Side Adjust , Solder Lugs)



Model P160KN (Side Adjust , PC pins)



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