17mm Rotary Potentiometer

P170



Electrical Specifications

Resistance range, Ohms	100-1M (for "B" taper), 5K-1M (for other tapers)
Standard resistance tolerance	±20%
Residual resistance	10 ohms max.
Input voltage, maximum	200 Vac max.
Power rating, Watts	0.1W ("B" taper), 0.05W (other tapers)
Dielectric strength	500Vac, 1 minute
Insulation resistance, minimum	50M ohms at 500Vdc
Sliding noise	100mV max.
Actual electrical travel, nominal	240°
Switch contact resistance	50M ohms max.
Switch power rated	1.0A at 12 Vdc

Mechanical Specifications

Total mechanical travel	260° ±10°
Static stop strength	40 oz-in
Rotational torque	0.5 to 1.25 oz-in
Switch rotational angle	30° ±10°

Environmental Specifications

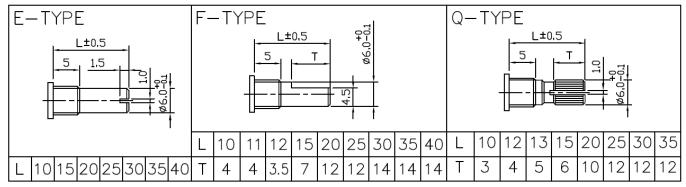
Operating temperature range	-20°C to +70°C
Rotational life (potentiometer)	100,000 cycles
Rotational life (switch)	15,000 cycles

17mm Rotary Potentiometer

P170

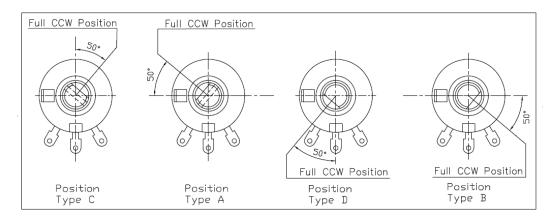


Shaft Types



Shaft Position (F-Type Shaft)

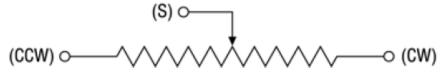
Dashed lines on Type "C" and Type "A" shows position of adjustment slot for E-Type and Q-Type shafts



Standard Resistance Values, Ohms

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

Circuit Diagram



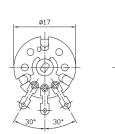
17mm Rotary Potentiometer

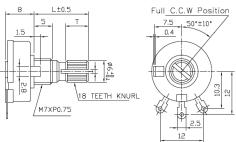
P170

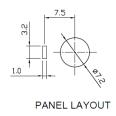


Outline Drawings

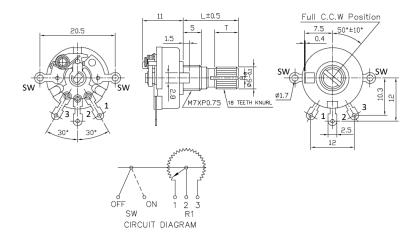
MODEL P170N (Side Adjust, Solder Lugs)

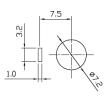






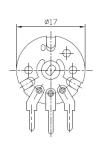
MODEL P170S (Side Adjust, Solder Lugs with Switch)

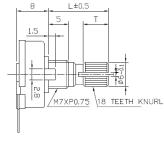


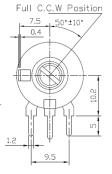


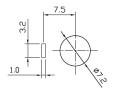
PANEL LAYOUT

MODEL P170N2 (Side Adjust, PCB Pins)









PANEL LAYOUT

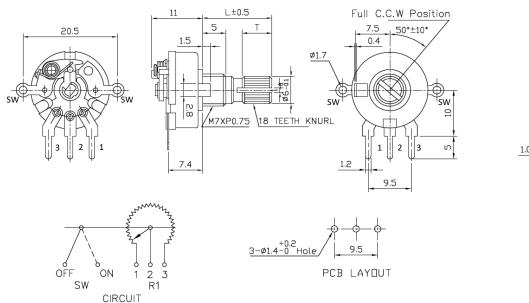
3-Ø1.4-0 Hole 9.5

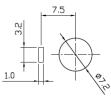
PCB LAYDUT



Outline Drawings

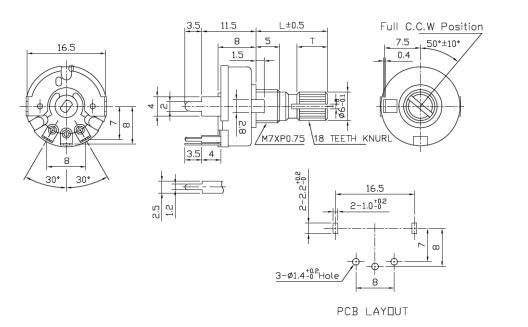
MODEL P170S2 (Side Adjust, PCB Pins with Switch)

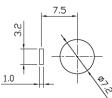




PANEL LAYOUT

MODEL P170NP1 (Top Adjust, PCB Pins)



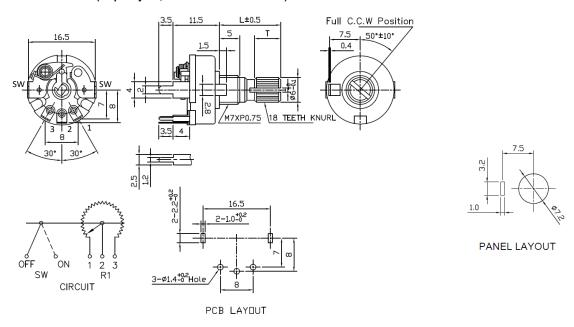


PANEL LAYOUT

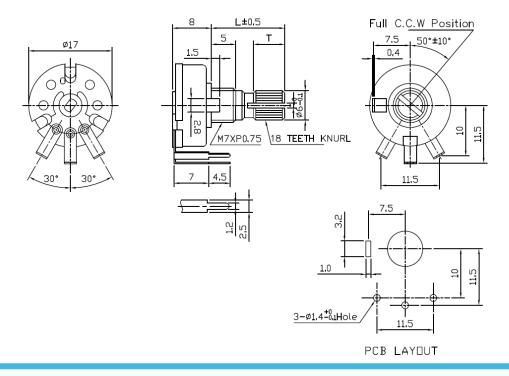


Outline Drawings

MODEL P170SP1 (Top Adjust, PCB Pins with Switch)

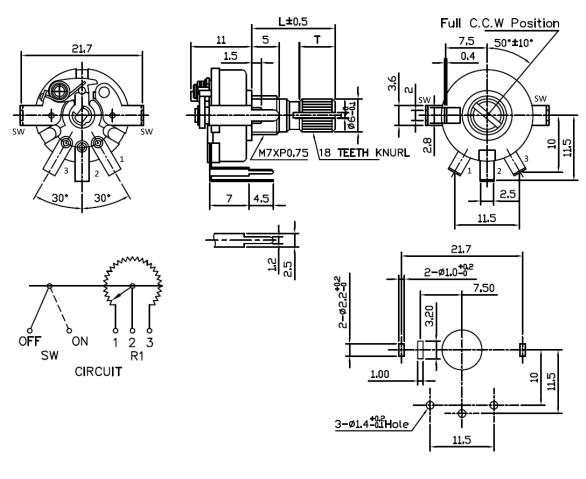


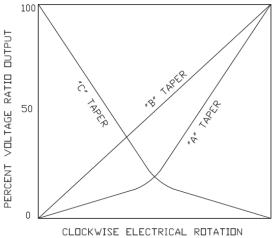
MODEL P170NPD (Rear Adjust, PCB Pins)





Outline Drawings MODEL P170SPD (Rear Adjust, PCB Pins with Switch)





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P170S2-QC15BR1K P170N2-QC10BR500K P170N-QC12BR50K P170N-QC12BR10K P170NPD-FB20BR100K P170N-QC12BR5K P170N2-QC12BR5K P170N-QC20BR500 P170N-QC12BR500 P170N-QC12BR500K P170N-QC15BR500 P170S-EA10BR500K P170S2-FC20BR100K P170S2-EC20BR100K P170S-QC15BR1MEG P170S-FC15BR100K P170NP1-QC15BR50K P170N2-QC25BR1K P170S-FC20BR10K P170SPD-QC20BR200K P170NPD-FC10BR10K P170NP1-QC15BR10K P170NP1-QC20BR10K P170NP1-QC15BR500K P170SP1-QC15BR10K P170NP1-QC12BR5K P170SP1-QC20BR1K P170SP1-FC15AR10K P170SPD-QC15BR10K P170NP1-FD15AR50K P170NP1-QC15BR20K P170S-EC20AR100K P170NP1-FD15BR100K P170N-EB15BR1K P170NP1-FD15BR10K P170NPD-QC15BR500K P170NPD-FC12BR10K P170NP1-QC12BR50K P170NPD-QC15BR50K P170N2-QC12BR50K P170NP1-FD15BR500K P170N-EB15BR10K P170NP1-QC15BR1MEG P170N2-QB20BR100K P170N2-EC15BR1K P170N2-QC20BR100K P170NP1-QC15BR100K P170NP1-QC15BR200K P170NPD-FC15AR10K P170SP1-FC15BR10K P170NPD-FC11AR10K P170NPD-QC15BR5K P170NPD-FC10AR10K P170S-EC15BR100K P170NP1-FD15AR100K P170NPD-FC11BR10K P170NPD-FC12AR10K P170SP1-EA15BR100K P170NP1-FD15BR50K P170SP1-QC10AR10K P170SPD-QA13BR100K P170SPD-FC15BR10K P170NP1-FD15AR10K P170S-QC12AR100K P170NP1-QC15BR5K P170NPD-FC15BR10K P170SP1-FC15BR500K P170NPD-FD25BR10K P170NP1-FC15BR5K P170SP1-FC15BR5K P170N-FC15AR500K P170N2-FC15BR20K P170SP1-FC15BR50K P170S2-QC15AR10K P170S-QA15BR500K P170NP1-EC15BR50K P170NP1-EC15BR5K P170NP1-EC15BR1K P170NP1-EC15BR10K