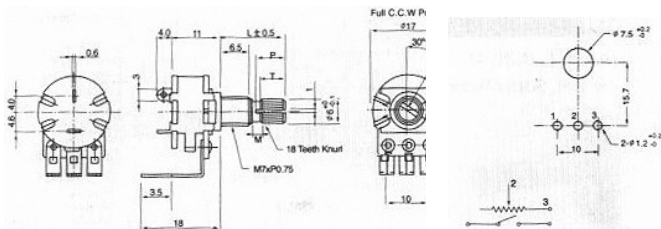


METAL SHAFT ROTARY POTENTIOMETER

Q-4631

F-16KS

Horizontal Type with Switch,
Single Unit, P.C.B. Terminal



SPECIFICATIONS

Electrical Characteristics

- Total Resistance $500\Omega \sim 1M\Omega$
- Total Resistance Tolerance..... $\pm 20\%$
- Resistance Taper..... A,B,C,D, See P81
- Max. Operation Voltage..... Linear Taper B : AC 200 V .Other Tapers : AC 150V
- Rated Power
- Single Unit Linear Taper B : 0.2 W, Other Tapers : 0.1 W
- Dual Unit..... Linear Taper B : 0.125 W, Other Tapers : 0.06 W
- Sliding Noise..... Less than 100 mV
- Insulation Resistance..... More than $100 M\Omega$ at DC 500 V
- Withstand Voltage..... 1 minute at AC 500 V
- Single Unit with Illuminated Function ...1 minute at AC 1500 V
- Residual Resistance..... Term. 1-2: Less than 20Ω
Term. 2-3: Less than 20Ω
- Gang Error (Dual Unit)..... $-40 \text{ dB} \sim 0 \text{ dB} \pm 3 \text{ dB}$
- Switch Circuit..... S.P.S.T
- Switch Contact Resistance..... Less than $50m\Omega$
- Switch Rated Power Single Unit: 1.0 A at AC/DC 12 V
- Single Unit with Illuminated Function: 2.0 A at AC/DC 125V

Mechanical Characteristics

- Total Rotational Angle..... $300^\circ \pm 5^\circ$
- Rotational Torque..... $20 \text{ gf.cm} \sim 200 \text{ gf.cm}$
- Rotational Stopper Strength..... 7.0 Kg.f.cm Min
- Push-Pull Strength..... 8 Kg.f Min
- Number of Detents Center Detent 1C, 11C, 21C, 41 C
- Switch Rotational Angle $35^\circ \pm 10^\circ$
- Switch Action..... $150 \text{ gf.cm} \sim 500 \text{ gf.cm}$
- Bushing & Nut Tight Strength..... 8 Kg.f.cm Min
- Single Unit with Illuminated Function Strength : 7.0 Kg.f.cm Min

Durability

- Rotational Life..... 10,000 Cycles
- Rotational Life (for Joystick)..... 100,000 Cycles Min.