MOBICON Electronic Components

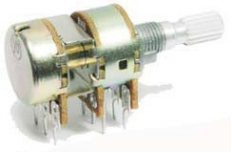
YUBRIGHT SINCE 1977

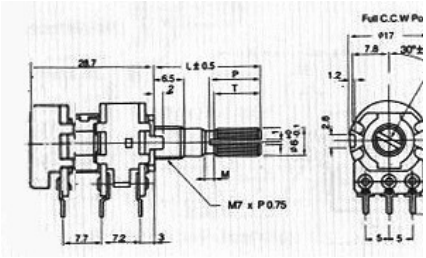
METAL SHAFT ROTARY POTENTIOMETER

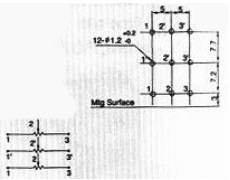
Q-7217

YRV-RTK16

Vertical Type with 1, 11, 21, 41 Clicks, Dual Unit, P.C.B. Terminal







SPECIFICATIONS

Electrical Characteristics

- Total Resistance ..... 500Ω~1MΩ
- Total Resistance Tolerance.....± 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 MΩ 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 dB~0 dB ± 3 dB
- Switch Circuit..... S.P.S.T
- Switch Contact Resistance.....Less than 50mΩ
- 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° ± 5°
- Rotational Torque.....20 gf.cm ~ 200 gf.cm
- Rotational Stopper Strength....7.0 Kgf.cm Min
- Push-Pull Strength.....8 Kg.f Min
- Number of Detents ..... Center Detent 1C, 11C, 21C, 41 C
- Switch Rotational Angle .....35°±10°
- Switch Action.....150 gf.cm ~ 500 gf.cm
- Bushing & Nut Tight Strength..... 8 Kgf.cm Min

Single Unit with Illuminated Function Strength :7.0 Kgf.cm Min

Durability

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