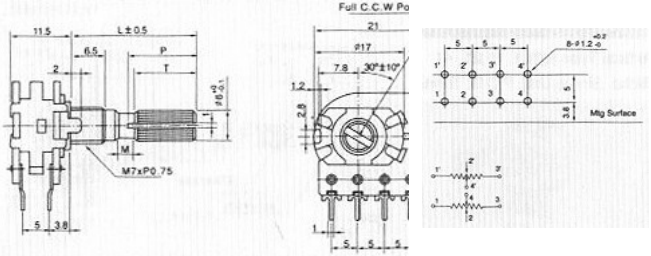


## METAL SHAFT ROTARY POTENTIOMETER

**Q-4581**

**F-16KGT1**

Horizontal 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.