



Feature

1. Flux builded-up prevention is taken through inserting molding around the resistor with resin.
2. A large variety of products lined up to support various applications.
3. Miniature design for Audio applications.

8mm Rotary Potentiometer

Electrical characteristics

• Total Resistance.....	500 Ω ~1M Ω
• Resistance Tolerance.....	500 Ω <R<1M Ω : \pm 20% R \leq 500 Ω or R \geq 1M Ω : \pm 30%
• Resistance Taper.....	A, B, C
• Max. operating Voltage.....	AC 50 V, DC 10V
• Rated Power.....	0.05W
• Sliding Noise.....	100 mV Max
• Insulation Resistance.....	Less than 100M Ω at DC 250V
• Withstand voltage.....	1 minute at AC 300V
• Residual Resistance.....	50 Ω Max
• Gang error (Dual Unit Or Multiunit).....	40db ~ 0db \pm 3db

Mechanical characteristics

• Total Rotational Angle.....	300° \pm 10°
• Push-Pull Strength.....	Pull: 10Kgf Max; Push: 10Kgf Max at 10S
• Rotational Torque.....	20~ 100 gf.cm
• Stopper Strength.....	3.0Kgf.cm Min
• Shaft wobble and bend.....	0.5 mm Max

Durability

• Rotational Life.....	30,000 Cycles Min.
• Cold Test.....	-20 \pm 2°C for 96 hours, Δ TR \leq \pm 15%
• Dry heat for long term.....	70 \pm 2°C for 96 hours, Δ TR \leq \pm 15%
• Temperature cycle.....	-20 ~ +70°C, 5 cycles, Δ TR \leq \pm 15%
• Soldering condition.....	260° \pm 5°C, 5Sec.

Switch characteristics

• Rated power.....	3.0 A at DC 16V
• Contact Resistance.....	Less than 50m Ω
• Switch Angle.....	50° +0/-10°
• Switch torque.....	50~250gf.cm
• Switch life.....	25,000 cycles at without load



F081 Series

Metal shaft Potentiometer



HOW TO ORDER

F 081 1 6 5 S +C A 50K L15 F C *7



