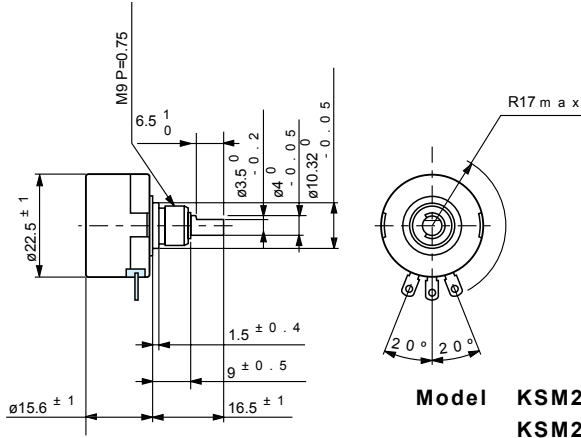




KSM22E

Inductance type (Bushing mount) Low cost item

Standard dimensions



Model KSM22E-5

Model KSM22E-5
KSM22E1-5

- Note:
1. The above drawing shows the position of shaft flattened at the ratio value of 50%
 2. 1pc. each of inner teeth washer and hex nut are attached.
 3. Please duly note that inner construction may burn out when applying the voltage to the wrong terminals except input terminal

General Specifications

Model no.	KSM22F	KSM22FS
Current Consumption	Approx. 3.5mA	
Independent Linearity Tolerance	±0.5%F.S (FS=100°)	
Mechanical rotating angle	360° (Endless)	
Effective electrical angle	±50° (100°)	
Applied voltage	5V.D.C.	
Load resistance	10k Ω min.	
Output range	Approx. 10%~90% Vin-FS (FS=100°)	
Output temperature characteristic	Within ±2.5% Vout-FS	
Drift at center position	Within ±0.5% Vout-FS	
Operating temperature range	-40°C~+105°C	
Storage temperature range	-40°C~+105°C	
Mass	Approx. 15g	
Starting torque mN·m (gf·cm)	Within 1 (10)	Within 3 (30)

Environmental Specifications

Model no.	KSM22F	KSM22FS
Thermal shock	5 cycles -50°C~+105°C	
Exposure at low temperature	24 hours at -50°C	
Exposure at high temperature	1,000 hours at +105°C	
Moisture resistance	40°C 95%RH	120 hours
Vibration	10~2,000Hz	196m/s ² 12 hours
Shock	980 m/s ² (18 times)	
Life expectancy (shaft revolutions)	Approx. 100,000,000	Approx. 10,000,000

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