

MODEL KSM22F

- Inductance Type
- Bushingmount
- Servomount
- RoHS Compliant



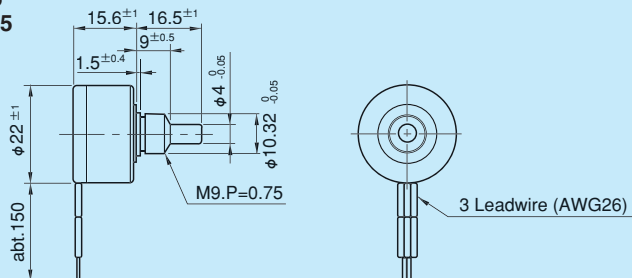
Model KSM22F-5



Model KSM22FS-5

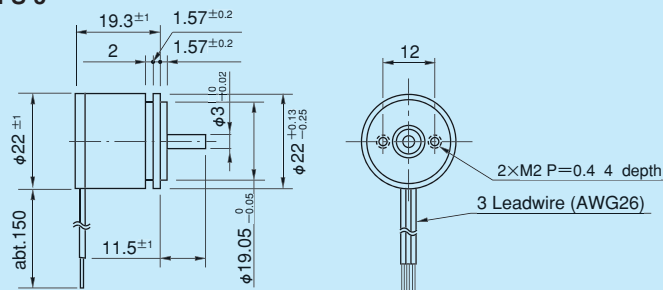
Standard Dimensions

Model KSM22F-5 KSM22FI-5



Note: 1 pc. each of inner teeth washer and hex nut are attached.

Model KSM22FS-5



Note: The relationship between the tapping hole's position (2×M2) and the leadwire's position is almost equal to those shown in the above drawing.

Standard Model Numbers

Bushingmount type	KSM22F-5 KSM22FI-5
Servomount type	KSM22FS-5

General Specifications

Model No.	KSM22F	KSM22FI	KSM22FS
Current Consumption	Approx. 3.5mA		
Independent Linearity Tolerance	±0.5%FS (FS=100°)		
Mechanical Rotating Angle	360° (Endless)		
Effective Electrical Angle	±50° (100°)		
Applied Voltage	5V.D.C.		
Load Resistance	10kΩ min.		
Output Voltage 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)	Within 0.2 (2)

Environmental Specifications

Model No.	KSM22F	KSM22FI	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	980m/s ² (18 times)		
Life Expectancy (shaft revolutions)	Approx. 100,000,000	Approx. 10,000,000	Approx. 200,000,000

Special Specifications Available

(In case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)

- Special applied voltage (Possible to meet with from 3V.D.C. to 10V.D.C.)
- Special effective electrical rotating angle (Possible to meet with from ±25° to ±80°)
- Special machining on the shaft