



KSM22F

Inductance Type · Bushingmount · Servomount · RoHS Compliant



Model KSM22F-5



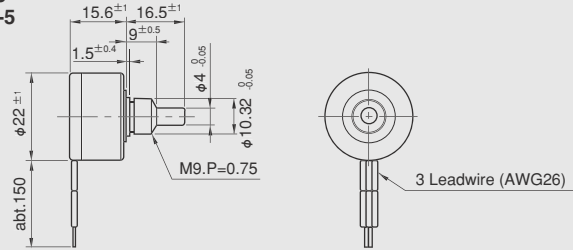
Model KSM22FS-5

Standard Model Numbers

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

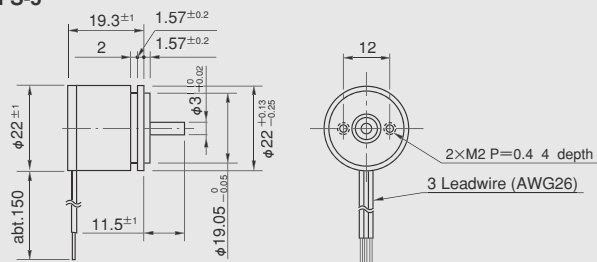
Standard Dimensions

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.

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		10kΩmin.	
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