

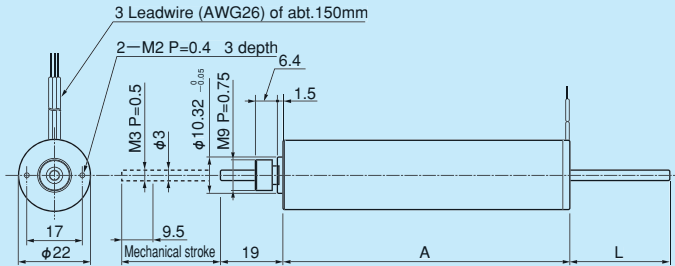
MODEL LSM22

● Inductance Type ● RoHS Compliant

● Standard Dimensions



Model LSM22-30-5



Model No.	Mechanical stroke	Housing length(A)	Shaft length(L)
LSM22-10-5	14mm	Abt. 54mm	10mm
LSM22-20-5	24mm	Abt. 74mm	20mm
LSM22-30-5	34mm	Abt. 90mm	30mm

Note: 1. 1 pc. each of inner teeth washer and hex nut are attached.
 2. When using in the application under continuous vibration and/or shock, please support the rear part of the unit with a fixing device.

● Standard Model Numbers

LSM22-10-5
LSM22-20-5
LSM22-30-5

● General Specifications

Model No.	LSM22-10-5	LSM22-20-5	LSM22-30-5
Current Consumption	Approx. 5mA		
Independent Linearity Tolerance	±0.5%FS		
Mechanical Stroke	Approx. 14mm	Approx. 24mm	Approx. 34mm
Effective Electrical Stroke	Approx. 10mm	Approx. 20mm	Approx. 30mm
Applied Voltage	5V D.C.		
Load Resistance	10kΩ min.		
Output Voltage Range	Approx. 10%~Approx. 90% Vin		
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. 30g	Approx. 40g	Approx. 60g
Friction N (gf)	Within 0.1N (10gf)		

● Environmental Specifications

Model No.	LSM22-10-5	LSM22-20-5	LSM22-30-5
Thermal Shock	5 cycles under -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 to 2,000Hz 196m/s ² 12 hours		
Shock	980m/s ² (18 times)		
Life Expectancy (Shaft reciprocating motions)	Approx. 50,000,000		
Protection Grade	IP40		

● Special Specifications Available

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

- Spring return device incorporated
- Other special specifications are also possible and please consult us with your concrete requirements