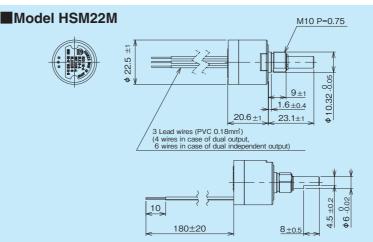


MODEL HSM22M

Hall effect IC
Bushingmount
RoHS Compliant

Standard Dimensions



Environmental Specifications

Thermal Shock

Temperature Exposure at High

Temperature Vibration

Rotational Life

EMS Tolerance

ESD Tolerance

Expectancy

Shock

Exposure at Low

Note: 1. 1 pc. each of inner teeth washer and hex nut is attached. 2. Please duly note that inner construction may burn out when applying the voltage to the wrong terminals except input terr

5 cycles -40°C~+85°C

24 hours at −40°C

1,000 hours at +85℃

490m/s2 within 18 times

±8kV contact discharge

/±15kV aerial discharge (Based on IEC 61000-4-2)

Note:Rotational Life Expectancy may differ from the specifications

Approx. 20,000,000

10 to 2,000Hz 196m/s2 12 hours

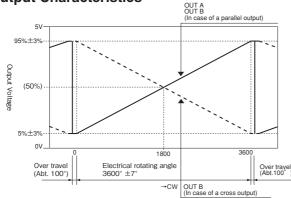
100V/m(80MHz~1GHz 1kHz Sinwave80% Amplitude Modulation)

General Specifications

Model HSM22M

Current Consumption	Single output: Max. 16mA Dual output & dual independent output: Max. 32mA
Independent Linearity Tolerance	±0.5%FS
Mechanical Rotating Angle	360 [°] (Endless)
Effective Electrical Angle	3600° ±7°
Applied Voltage	5V±10%D.C.
Load resistance	10kΩmin
Effective Output	5%±3%~95%±3% Vin
Output Temperature Characteristics	Within ±0.3%Vout/FS
Operating Temperature Range	−40°C~+85°C
Storage Temperature Range	−40°C~+85°C
Mass	Approx. 35g
Rotating Torque	Within 5mN • m(within 50gf • cm)
Backlash	Within 10°
Dielectric Strength	1 minute at 500 V.A.C.
Insulation Resistance	Over 1,000 MΩ at 500 V.D.C.
Index Protection	IP50 (IP65 for the incorporated PCB part only)

Output Characteristics



Special Specifications Available

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

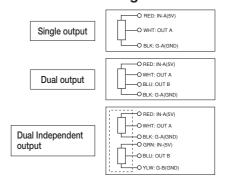
Special effective electrical angle (1080°,1800°,2880°- arbitrary angles)

 Special output (Cross, parallel, Dual independent output) Special applied voltage (12V,24V) PWM output

Low current consumption in slow mode

Terminal Connection Diagram

depending on status of use.



Special machining on the shaft