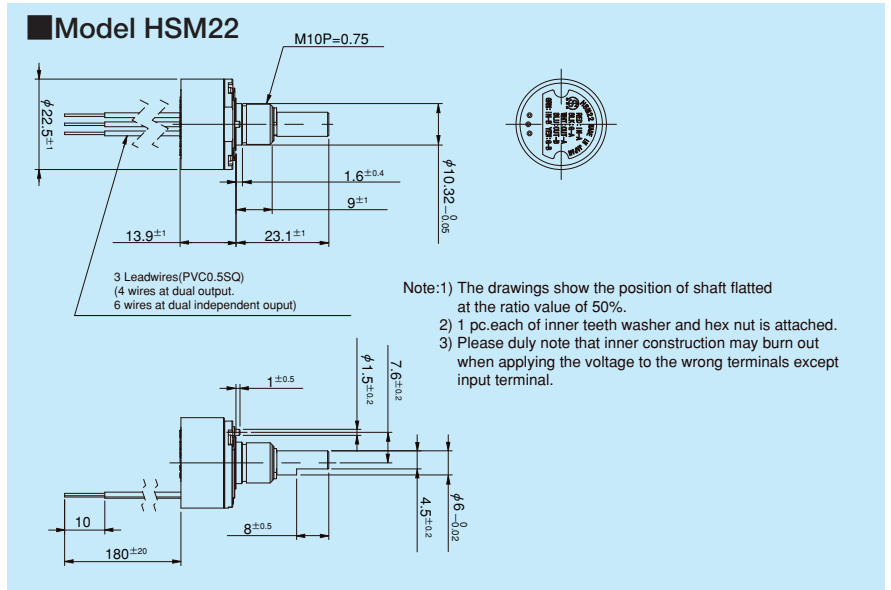


RoHS Compliant



Standard Dimensions



General Specifications

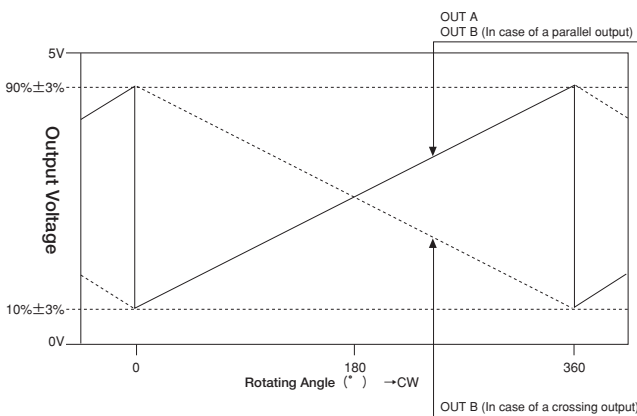
Current Consumption	Single output: Approx. 16mA Dual output: Approx. 32mA
Independent Linearity Tolerance	$\pm 0.5\%FS (FS=360^\circ)$
Mechanical Rotating Angle	$360^\circ$ (Endless)
Effective Electrical Angle	$360^\circ$ (Endless)
Applied Voltage	$5V \pm 10\% D.C.$
Load resistance	$10k\Omega$ min
Effective Output	$10\% \pm 3\% \sim 90\% \pm 3\% V_{in}$
Output Temperature Characteristics	Within $\pm 0.3\% V_{out}/FS$
Operating Temperature Range	$-40^\circ C \sim +105^\circ C$
Storage Temperature Range	$-40^\circ C \sim +105^\circ C$
Mass	Approx. 20g
Rotating Torque	Within $5mN \cdot m$ (within $50gf \cdot cm$ )

Environmental Specifications

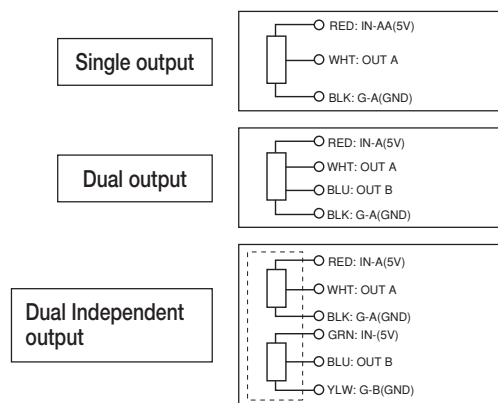
Thermal Shock	5 cycles $-40^\circ C \sim +105^\circ C$
Exposure at Low Temperature	24 hours at $-40^\circ C$
Exposure at High Temperature	1,000 hours at $+105^\circ C$
Vibration	10 to 2,000Hz $196m/s^2$ 12 hours
Shock	$980m/s^2$ 6ms(18 times)
Rotational Life Expectancy	Approx. 50,000,000
EMS Tolerance	$100V/m$ (80MHz~1GHz 1KHz Sinwave80% Amplitude Modulation)
ESD Tolerance	$\pm 8kV$ contact discharge $\pm 15kV$ aerial discharge

Note: Rotational Life Expectancy may differ from the specifications depending on status of use.

Output Characteristics



Terminal Connection Diagram



**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( $90^\circ, 180^\circ, 270^\circ$  - arbitrary angles), Special machining on the shaft, Special output (Cross, parallel, Dual independent output), Special applied voltage( $12V, 24V$ ), PWM output, Low current consumption in slow mode.