

2-Phase Hybrid Stepping Motor

1.8°

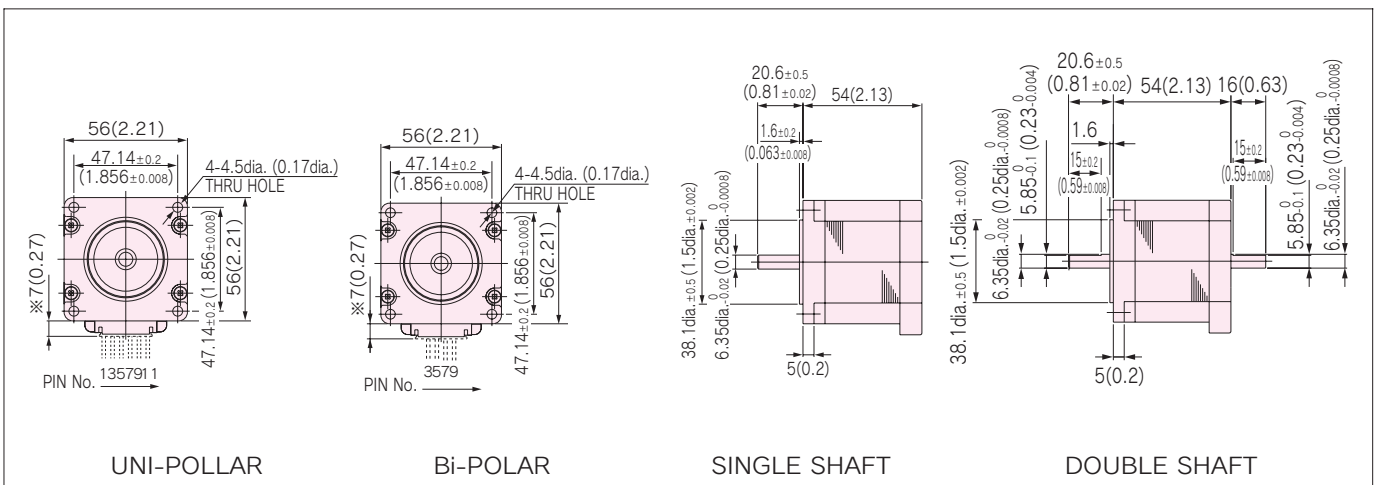
KH56 series

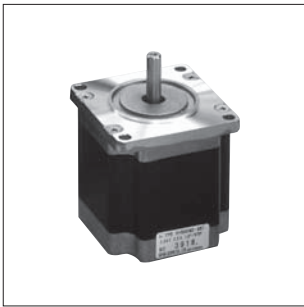
HIGH TORQUE, LOW VIBRATION AND LOW NOISE

STANDARD SPECIFICATIONS

MODEL		KH56KM2				
		SINGLE SHAFT	-901	-902	-903	-951
		DOUBLE SHAFT	-911	-912	-913	-961
DRIVE METHOD	————	UNI-POLAR			BI-POLAR	
NUMBER OF PHASES	————	2			2	
STEP ANGLE	deg./step	1.8			1.8	
VOLTAGE	V	2.3	3.6	6.71	2.4	
CURRENT	A/PHASE	3.0	2.0	1.0	2.0	
WINDING RESISTANCE	Ω/PHASE	0.77	1.79	6.71	1.32	
INDUCTANCE	mH/PHASE	1.04	3.0	9.36	3.19	
HOLDING TORQUE	mN · m	834	834	834	932	
	oz · in	118	118	118	132	
DETENT TORQUE	mN · m	37	37	37	37	
	oz · in	5.2	5.2	5.2	5.2	
ROTOR INERTIA	g · cm ²	188	188	188	188	
	oz · in ²	1.0	1.0	1.0	1.0	
WEIGHTS	g	650	650	650	650	
	lb	1.4	1.4	1.4	1.4	
INSULATION CLASS	————	JIS Class E (120°C 248° F) (UL VALUE : CLASS B 130°C 266° F)				
INSULATION RESISTANCE	————	500VDC 100MΩmin.				
DIELECTRIC STRENGTH	————	500VAC 50HZ 1min.				
OPERATING TEMP. RANGE	°C	0 to 50				
ALLOWABLE TEMP. RISE	K	70				

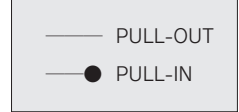
DIMENSIONS unit = mm (inch)





Features

- Stronger torque generated in higher speed zone (KH56KM2-901 generates 1.2 times torque of our previous model at 1200 r/min. speed)
- Lowered Vibration by increased stiffness of body construction (lowered by 10% than our previous model)
- Improved Efficiency (1.1 times of our previous model, by high grade materials)

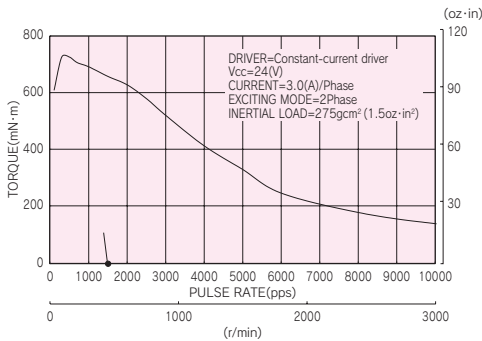


■ TORQUE CHARACTERISTICS vs. PULSE RATE

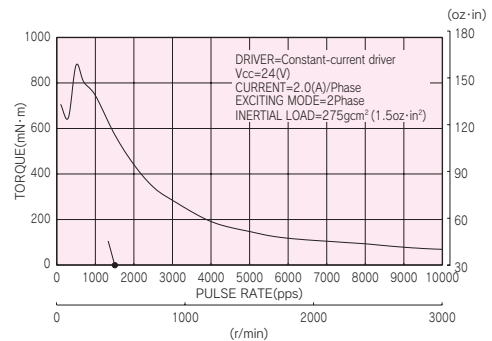
UNI-POLAR

BI-POLAR

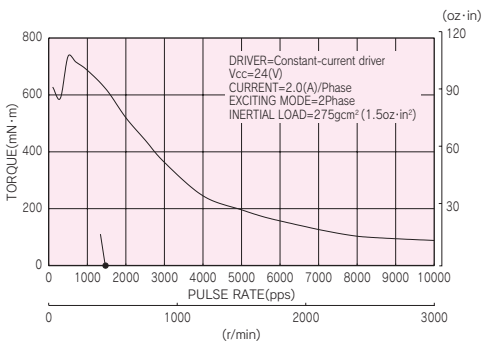
KH56KM2-901, 911



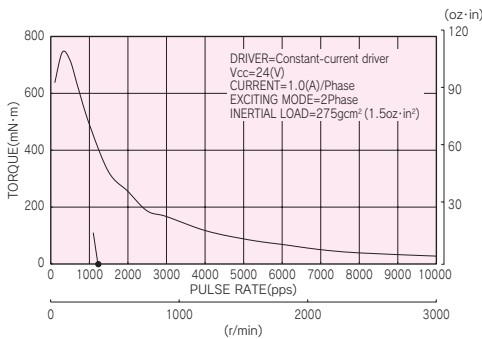
KH56KM2-951, 961



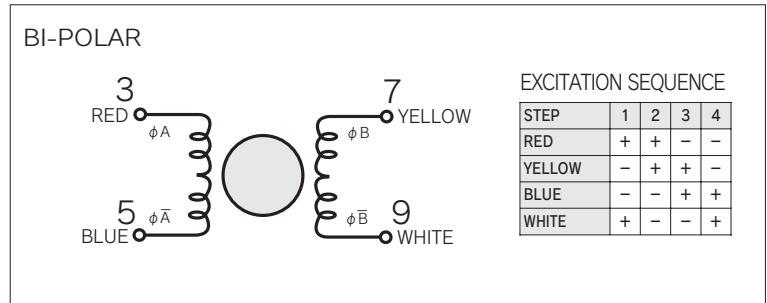
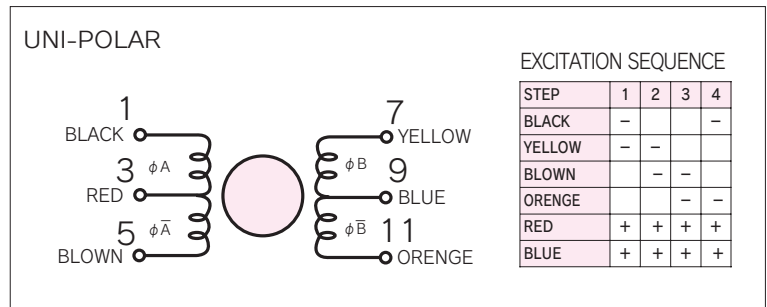
KH56KM2-902, 912



KH56KM2-903, 913



■ CONNECTION DIAGRAMS



■ CONNECTION CABLE TO MOTOR unit = mm (inch)

