2-Phase Hybrid Stepping Motor (1.8°)



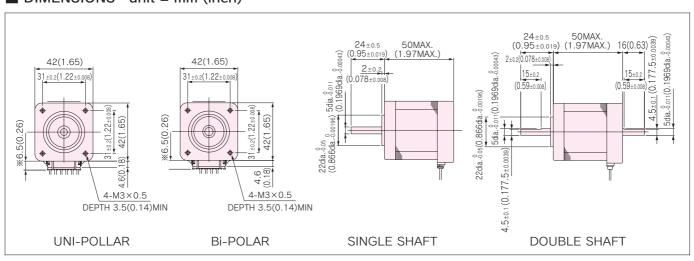
KH42 series

HIGH TORQUE, LOW VIBRATION AND LOW NOISE

■ STANDARD SPECIFICATIONS

MODEL		KH42KM2	
	SINGLE SHAFT	-901	-951
DDIVE METHOD	DOUBLE SHAFT	-911	-961
DRIVE METHOD		UNI-POLAR	BI-POLAR
NUMBER OF PHASES		2	2
STEP ANGLE	deg./step	1.8	1.8
VOLTAGE	V	3.72	2.76
CURRENT	A/PHASE	1.2	1.2
WINDING RESISTANCE	Ω/PHASE	3.1	2.3
INDUCTANCE	mH/PHASE	3.1	4.0
HOLDING TORQUE	mN · m	340	403
	oz · in	48	57
DETENT TORQUE	mN · m	19.6	19.6
	oz · in	2.8	2.8
ROTOR INERTIA	g·cm²	85	85
	oz · in²	0.46	0.46
WEIGHTS	g	360	360
	lb	0.79	0.79
INSULATION CLASS		JIS Class E (120℃ 248° F) (UL VALUE : CLASS B-130℃ 266° F)	
INSULATION RESISTANCE		500VDC 100MΩmin.	
DIELECTRIC STRENGTH		500VAC 50HZ 1min.	
OPERATING TEMP. RANGE	$^{\circ}$	0 to 50	
ALLOWABLE TEMP. RISE	K	70	

■ DIMENSIONS unit = mm (inch)





Features

- Improved Dynamic Torque

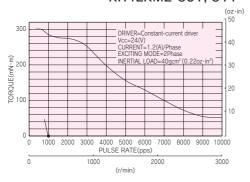
 (1.2 times torque of our previous model is generated at 300 r/min, on model: KH42JM2-901)
- Lowered Vibration & Noise Level (by increased stiffness of body construction)
- Improved Efficiency

 (1.1 times of our previous model, by high grade materials.)

■ TORQUE CHARACTERISTICS vs. PULSE RATE

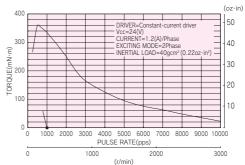
UNI-POLAR

KH42KM2-901, 911



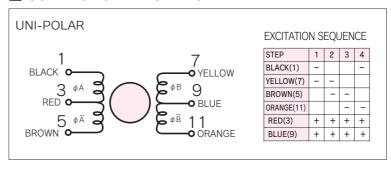
BI-POLAR

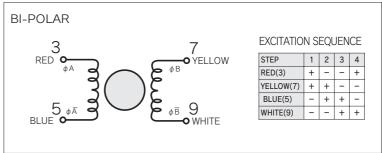
KH42KM2-951, 961



—— PULL-OUT ——● PULL-IN

■ CONNECTION DIAGRAMS





■ CONNECTION CABLE TO MOTOR unit = mm (inch)

