

3-Phase Hybrid Stepping Motor

1.2°

KT35 series *TRISYN*

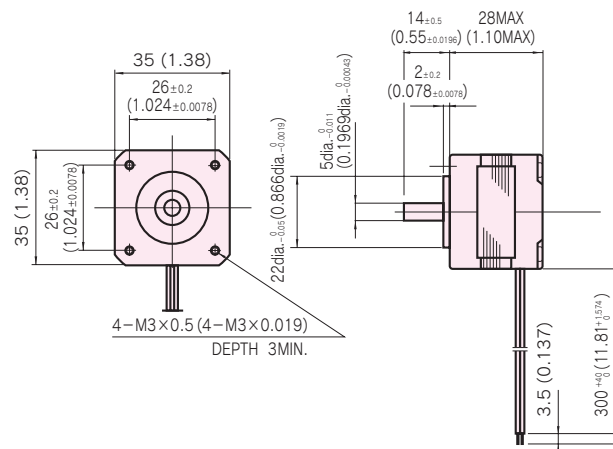
HIGH TORQUE, SILENT ROTATION

STANDARD SPECIFICATIONS

M O D E L	U N I T	KT35FM1
		-552
DRIVE METHOD	————	BI-POLAR
NUMBER OF PHASES	————	3
STEP ANGLE	deg./step	1.2
VOLTAGE	V	10.8
CURRENT	A/2-PHASE	0.3
WINDING RESISTANCE	Ω/2-PHASE	36
INDUCTANCE	mH/2-PHASE	26
HOLDING TORQUE	mN · m	58.9
	oz · in	8.3
DETENT TORQUE	mN · m	9.8
	oz · in	1.4
ROTOR INERTIA	g · cm ²	8
	oz · in ²	0.044
WEIGHTS	g	110
	lb	0.24
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

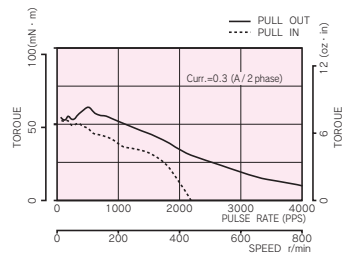


DIMENSIONS unit = mm (inch)

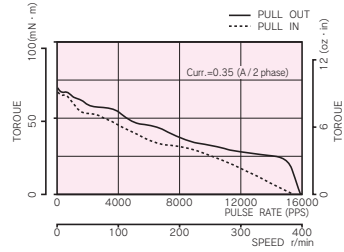


KT35FM1

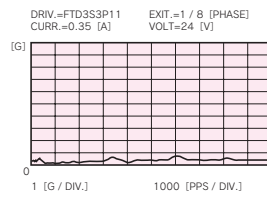
**TORQUE
CHARACTERISTICS
vs.
PULSE RATE
(FULL STEP)
24V
2 PHASE**



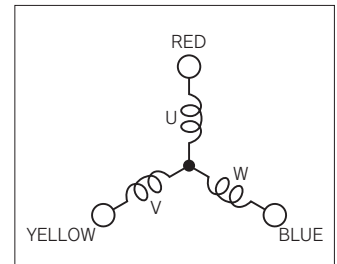
**TORQUE
CHARACTERISTICS
vs.
PULSE RATE
(MICRO-STEP)
24V
1/8 DIVISIONS**



**VIBRATION
CHARACTERISTICS
(MICRO-STEP
DRIVEN)**



Connection Diagram



[EXCITATION SEQUENCE]

PHASE \ STEP	1	2	3	4	5	6
U相 (U PHASE)	+	-	-		+	
V相 (V PHASE)	-	-		+	+	
W相 (W PHASE)		+	+		-	-