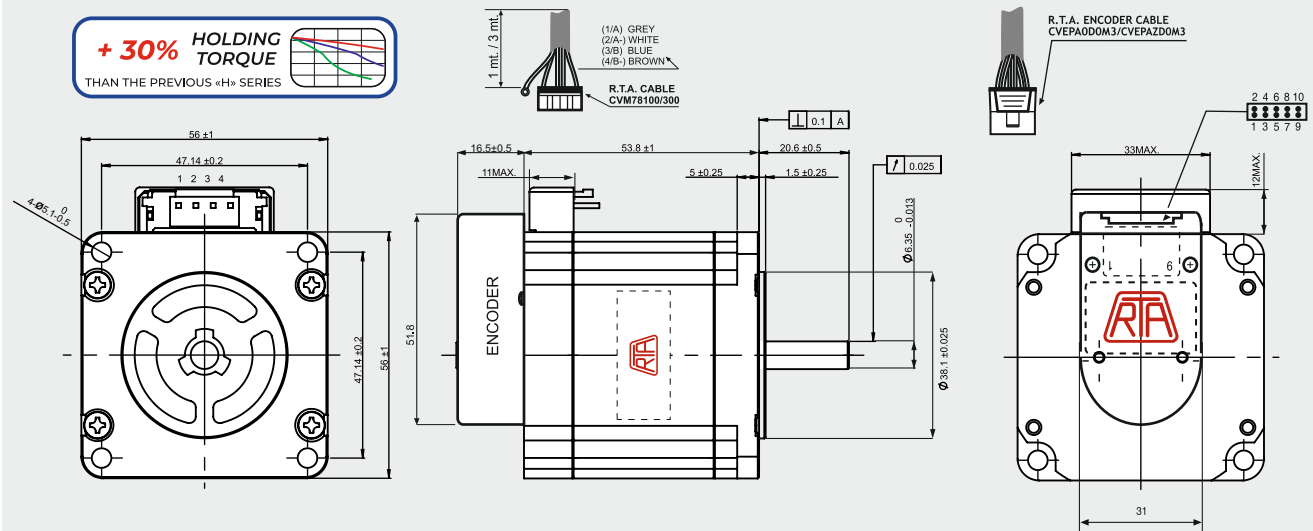


RH 2S1M-0XX0

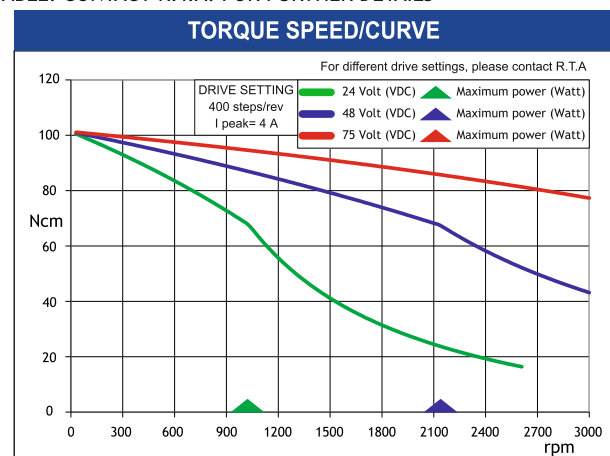
Dimensions (Unit:mm)



ENCODER OPTIONS:	RH 2S1M-04D0	RH 2S1M-04E0	RH 2S1M-0HE0
RESOLUTION	400 cpr	400 cpr	4000 cpr
INDEX	No	Yes	Yes
CURRENT CONSUMPTION (mA)	50	50	85
HIGH LEVEL OUTPUT (Volt)	5 (TIP) - 4.75 (MIN) ($I_{MAX}=25mA$)	3.4 (TIP) - 2.4 (MIN) ($I_{MAX}=20mA$)	3.4 (TIP) - 2.4 (MIN) ($I_{MAX}=20mA$)
LOW LEVEL OUTPUT (Volt)	0.25 (TIP) - 0.6 (MAX) ($I_{MAX}=25mA$)	0.2 (TIP) - 0.4 (MAX) ($I_{MAX}=20mA$)	0.2 (TIP) - 0.4 (MAX) ($I_{MAX}=20mA$)
OUTPUT SIGNAL	Differential	Differential	Differential
MAXIMUM FREQUENCY (KHz)	100	100	720
POWER SUPPLY VOLTAGE (Volt)	5 V _{DC} ± 10%	5 V _{DC} ± 10%	5 V _{DC} ± 10%

ENCODER NEEDS CVEPA0D0M3 OR CVEPAZD0M3 R.T.A. CABLE. CONTACT R.T.A. FOR FURTHER DETAILS

FEATURES	
MODEL	RH 2S1M-0XX0
BASIC STEP ANGLE	1.8 ± 0.09°
BIPOLAR CURRENT (Amp)	4.0
UNIPOLAR CURRENT (Amp)	
RESISTANCE (Ohm)	0.37
INDUCTANCE (mH)	1.5
BIPOLAR HOLDING TORQUE (Ncm)	140
ROTOR INERTIA (Kg·m ² × 10 ⁻⁷)	280
THEORETICAL ACCELERATION (rad × sec ⁻²)	50000
BACK E.M.F. (V/Krpm)	35
MASS (Kg)	0.69
INTERNATIONAL STANDARDS	UL, CSA
PROTECTION DEGREE	IP40
LEADS CODE	V



ENCODER PIN-OUT				
DESCRIPTION	04D0 PINS	04E0 PINS	0HE0 PINS	R.T.A. CABLE LEADS COLOR
CHANNEL A+	6	6	6	GREEN
CHANNEL A-	5	5	5	PURPLE
CHANNEL B+	8	8	8	BLUE
CHANNEL B-	7	7	7	BROWN
+ DC (5V)	2	2	2	RED
GROUND	3	3	3	BLACK
INDEX+	/	10	10	ORANGE
INDEX-	/	9	9	WHITE

Suggested R.T.A. drive series: BSD, CSD, FLEX-DRIVE, NDC



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