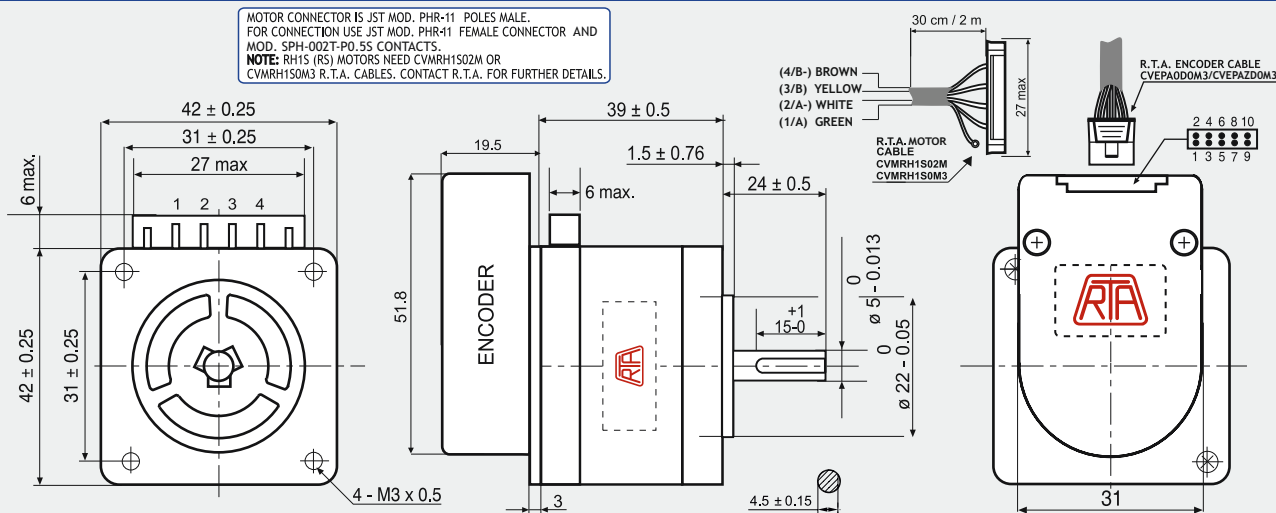


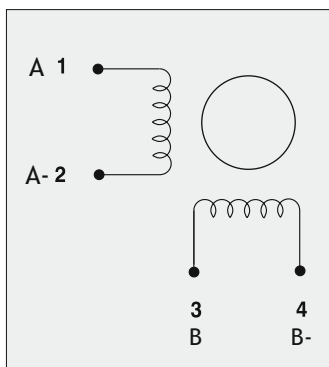
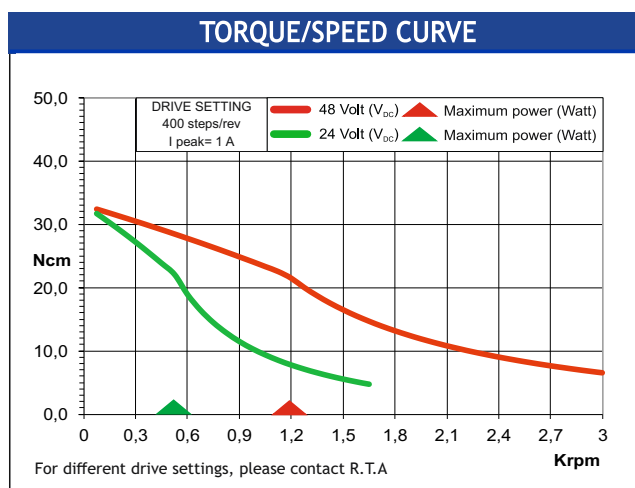
RH 1S1M-OXX0

Dimensions (Unit:mm)



ENCODER OPTIONS:	RH 1S1M-04D0	RH 1S1M-04E0	RH 1S1M-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)	$5 V_{DC} \pm 10\%$	$5 V_{DC} \pm 10\%$	$5 V_{DC} \pm 10\%$

FEATURES		RH 1S1M
MODEL		RH 1S1M
BASIC STEP ANGLE		1.8°
BIPOLAR CURRENT (A)		1.0
UNIPOLAR CURRENT (A)		
RESISTANCE (Ohm)		4.6
INDUCTANCE (mH)		9.6
BIPOLAR HOLDING TORQUE (Ncm)		43
UNIPOLAR HOLDING TORQUE (Ncm)		
ROTOR INERTIA ($Kgm^2 \times 10^{-7}$)		46
THEORETICAL ACCELERATION ($rad \times sec^{-2}$)		93500
BACK E.M.F. (V/Krpm)		43
MASS (Kg)		0.3
PROTECTION DEGREE		IP40
LEADS CODE		V



RTA MOTOR CABLE COLORS

DESCRIPTION	COLOR
CHANNEL A	GREEN
CHANNEL A-	WHITE
CHANNEL B	YELLOW
CHANNEL B-	BROWN

ENCODER PIN-OUT

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

R.T.A. CABLE (30 cm) CVEPA0D0M3 CVEPAZ0M3

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



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