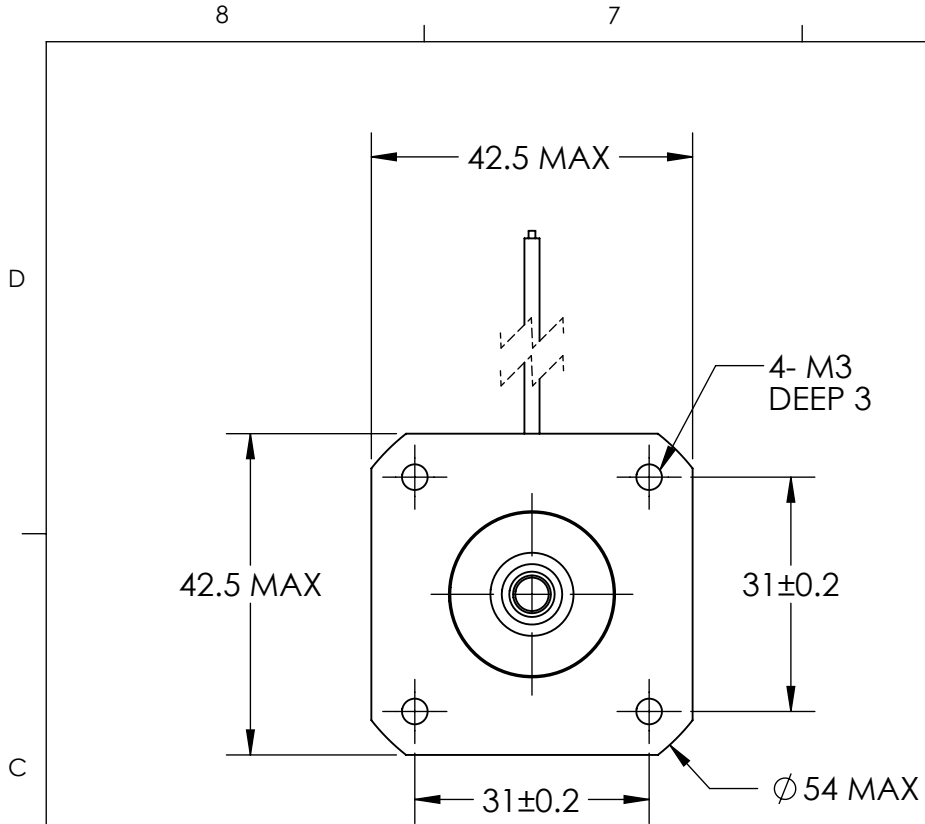
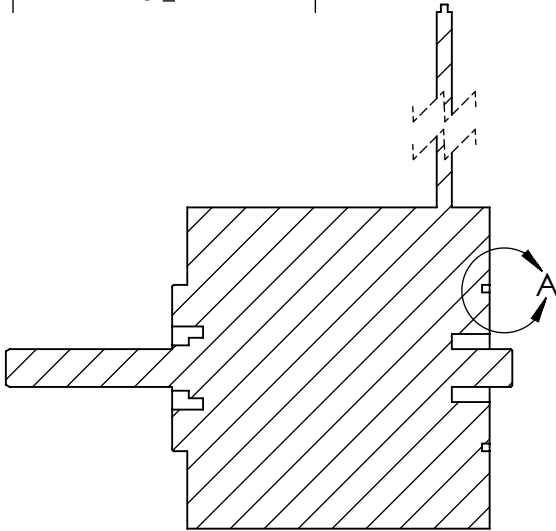
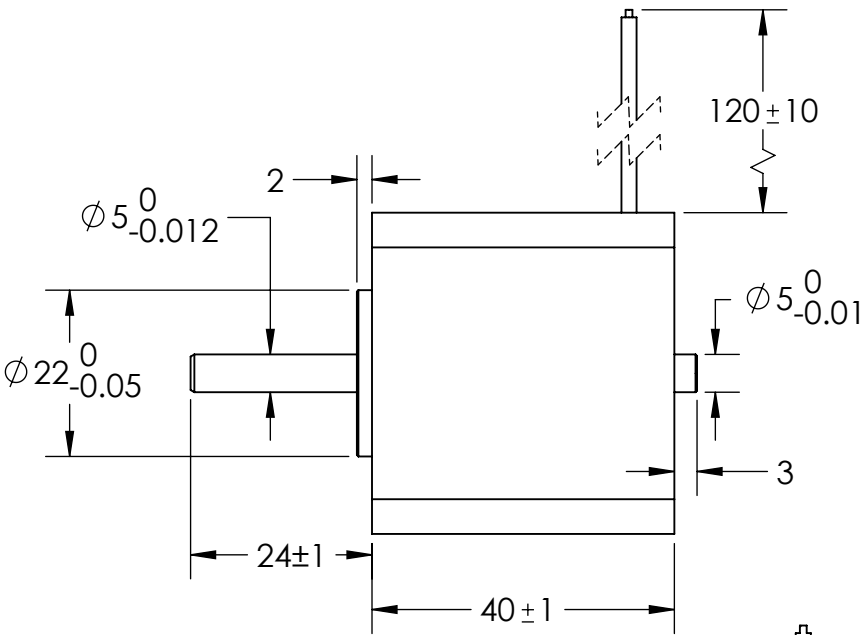


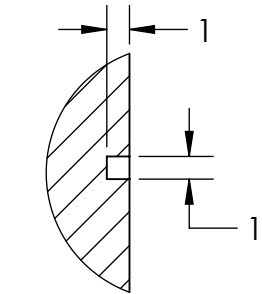
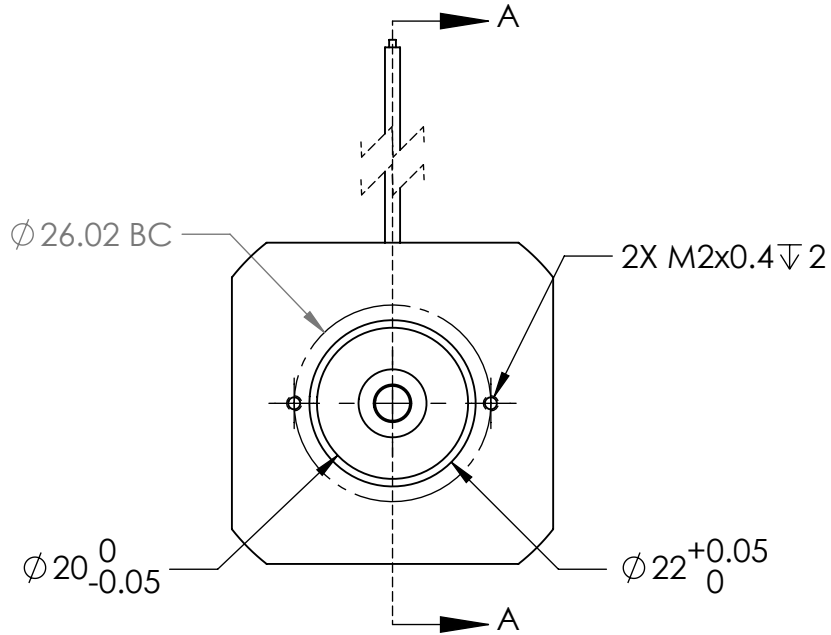


EC4240 48 Specifications		
Parameter	Unit	Value
Rated Power	W	25.00
Rated Voltage	VDC	48.00
Continous Stall Torque	N-m	0.07
Max Torque	N-m	0.14
Rated Speed/Max Speed	rpm	4000/6800
Rated Current	A _(peak)	1.06
Max.Current	A _(peak)	2.12
Ke : Back EMF Constant	V _(peak) /krpm	7.00
Kt : Torque Constant	Nm/A _(peak)	0.066
Resistance	Ω	2.60
Inductance	mH	3.60
Moment of Inertia	gcm ²	24.00
Number of Poles	#	8.00
Mass	g	250

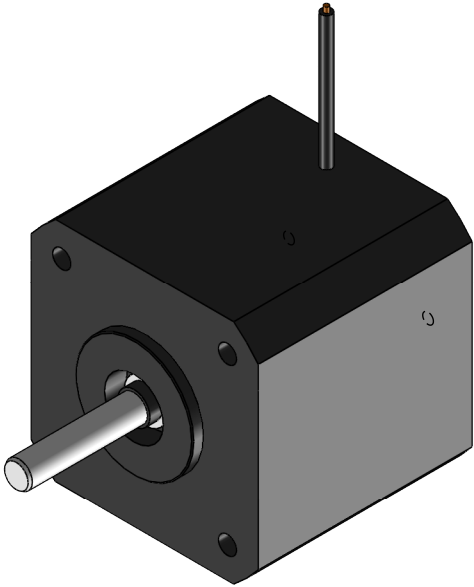
Winding Type	3-phase
Hall Sensors	120° electrical spacing
Pole Count	8
Shaft Runout	.025 mm
Radial Play	.02 mm @ 450 g
End Play	.08 mm @ 450 g
Max Radial Force	28 N @20 mm from flange
Max Axial Force	10N
Insulation Class	B
Dielectric Strength	500 VDC for 60s
Insulation Resistance	>100MΩ, 500 VDC



SECTION A-A



DETAIL A
SCALE 3 : 1

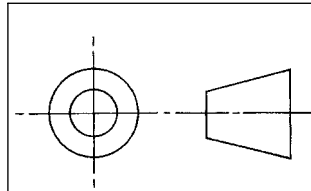


Motor Cable AWG 22

A	B	C
YEL	RED	BLK

HALL SENSORS AWG 26

5VDC	GND	A	B	C
RED	BLK	BLU	GRN	WHT



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CONFIDENTIAL

UNLESS OTHERWISE SPECIFIED:

DRAWING SYMBOLS & TOLERANCES PER ANSI Y14.5
DIMENSIONS ARE METRIC
TOLERANCES:
DECIMALS LINEAR ANGULAR
.X ±0.2 ±0.5DEG
.XX ±0.02 ±0.2DEG
.XXX ±0.005 ±0.01DEG

INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5

MATERIAL SEE CHART

FINISH Clean

DRAWN Sun KPO 11/25/2019



Orbex Group

TITLE:

EC4240 48

SIZE

B

PRT. NO.

100111

REV

B

SCALE: 1:1

SHEET 1 OF 1