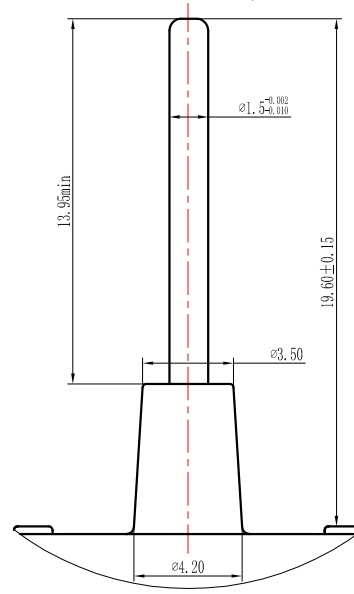
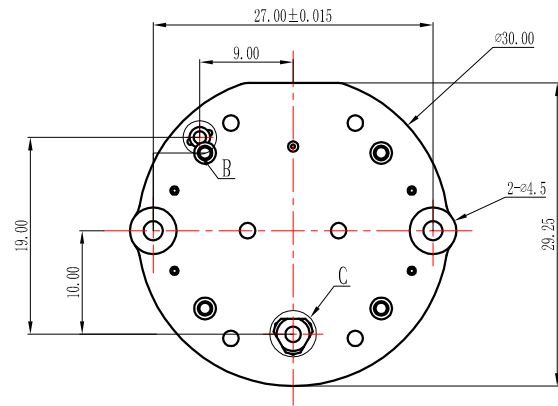
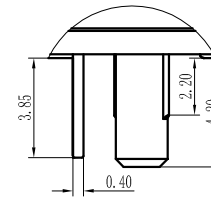
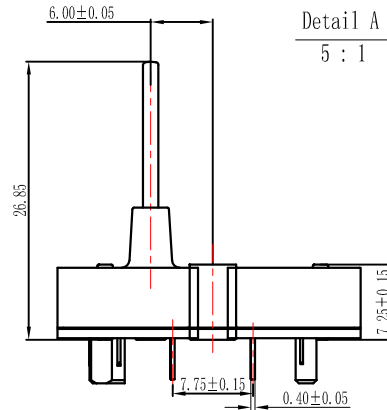
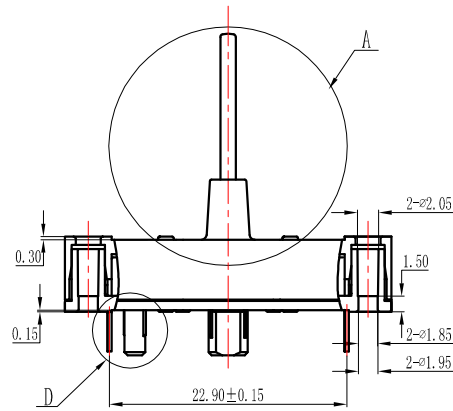


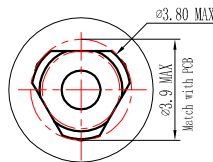
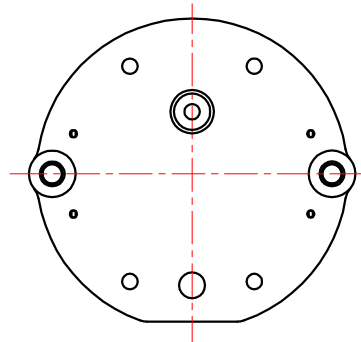
Detail B
5 : 1



Detail D
5 : 1



Detail A
5 : 1



Detail C
5 : 1

Parameter	Sym.	Test Conditions	Min.	Type	Max.	Units
Operating Temperature	Ta		-40		105	°C
Coil Resistance	R _c		260	280	300	Ω
Operating Current	I _m	fz=200Hz		15	20	mA
Magnetic Saturation Voltage	U _{bs}				9	V
Start-Stop Frequency	f _{ss}	JL=2E-7Kgm*2			200	Hz
Maximum Driving Frequency	f _m	JL=2E-7Kgm*2			600	Hz
Dynamic Torque	M ₂₀₀	fz=200Hz	0.9	1.1	See	mNm
	M ₄₀₀	fz=400Hz	0.75	0.9	fig.3	mNm
Static Torque	M _s	U _b =5V	3.5	4.0		mNm
Backlash	σ		0.5	0.7	1.0	Degree
Axial Push-on Force on shaft	F _A		100	120		N
Axial Pull-off Force on shaft	F _a		70	80		N
Radial Force on shaft	F _p		12	15		N
Imposed Acceleration	a _p			1,000		Rad/s*2
Holding Torque on shaft	T _h		80	80		mNm
Maximum Inertia of the load on shaft	J _m	see Table 4				Kgm*2
Noise Level	SPL	see Fig.14		38	42	dBA
Angle of Rotation	β				320	Degree

Tamb=25°C, U_b=5V, unless otherwise specified

Match with PCB Board						BKA30-F4		DWG NO.							
								WEIGHT		g		REV.	01		
						PART NAME		Motor Assembly		QUANTITY		1		SHEET 1 OF 1	
MARK NUMBER		DIVISION	ECN NO.	SIGNATURE	DATE	MATERIAL				SCALE		1:1			
DESIGN				Q A										UNLESS OTHERWISE SPECIFIED	
CHECK				APPV'D				ShenZhen Bactrianus Motor Co. LTD						TOLERANCES ARE	
ENGINEERING				DATE										LINEAR 0.5 ±0.02 5.10 ±0.03 >10 ±0.05 ANGULAR ±0.3deg.	



ShenZhen Bactrianus Motor Co. LTD