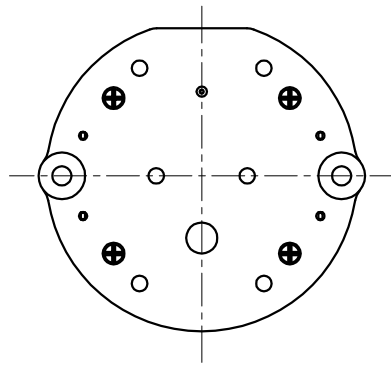
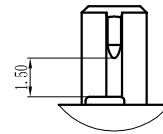
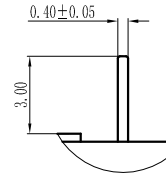


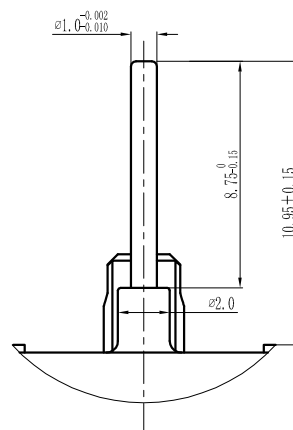
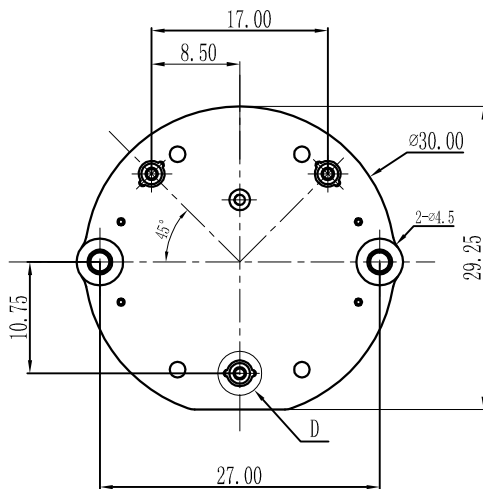
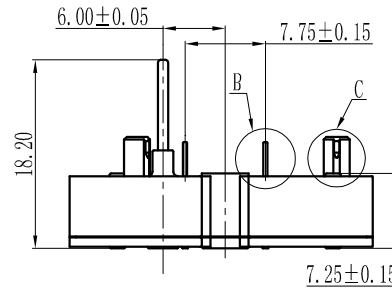
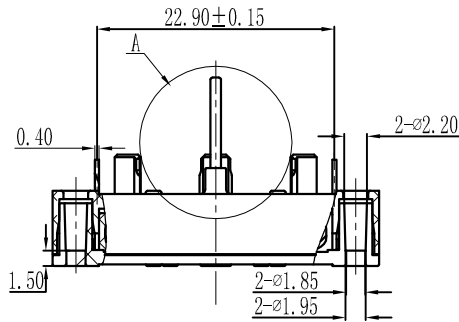
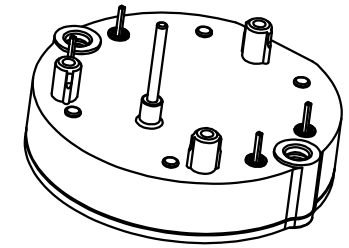
Detail D
5 : 1



Detail C
5 : 1



Detail B
5 : 1



Detail A
5 : 1

Parameter	Sym.	Test Conditions	Min.	Type	Max.	Units
Operating Temperature	Ta		-40		105	°C
Coil Resistance	Rb		260	280	300	Ω
Operating Current	Im	fz=200Hz		15	20	mA
Magnetic Saturation Voltage	Ubs				9	V
Start-Stop Frequency	fss	JL=2E-7Kg/m*2			200	Hz
Maximum Driving Frequency	fm	JL=2E-7Kg/m*2			600	Hz
Dynamic Torque	M200	fz=200Hz	0.9	1.1	See fig.3	mNm
	M400	fz=400Hz	0.75	0.9		mNm
Static Torque	Ms	Ub=5V	3.5	4.0		mNm
Backlash	σ		0.5	0.7	1.0	Degree
Axial Push-on Force on shaft	FA		100	120		N
Axial Pull-off Force on shaft	Fa		80	100		N
Radial Force on shaft	Fp		12	15		N
Imposed Acceleration	αp			1,000		Rad/s*2
Holding Torque on shaft	Th		90	120		mNm
Maximum Inertia of the load on shaft	Jm	see Table 4				Kgm*2
Noise Lever	SPL	see Fig.14		38	42	dBA
Angle of Rotation	β				320	Degree

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

						BKA30-R4		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				 ShenZhen Bactrianus Motor Co. LTD				UNLESS OTHERWISE SPECIFIED	
CHECK				APPV'D								TOLERANCES ARE	
ENGINEERING				DATE								LINEAR 0.5 ±0.02 5.10 ±0.03 ≥10 ±0.05 ANGULAR ±0.3deg.	