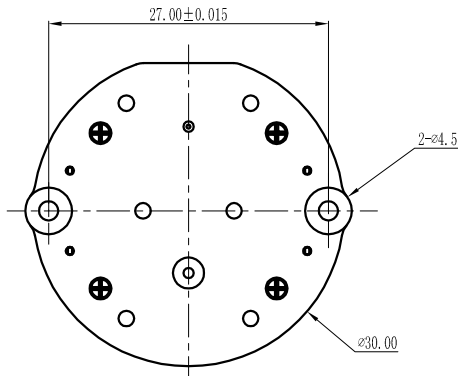
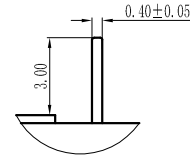
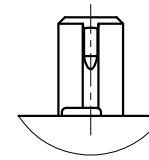


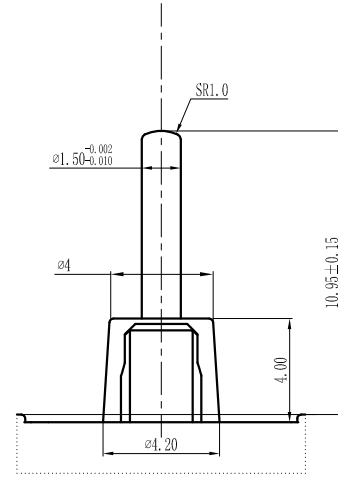
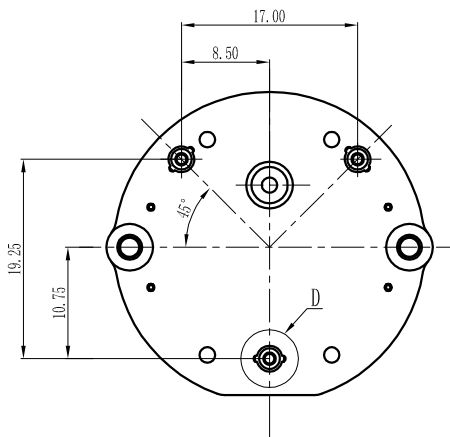
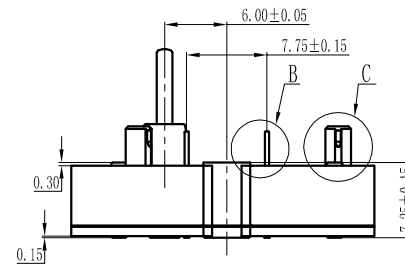
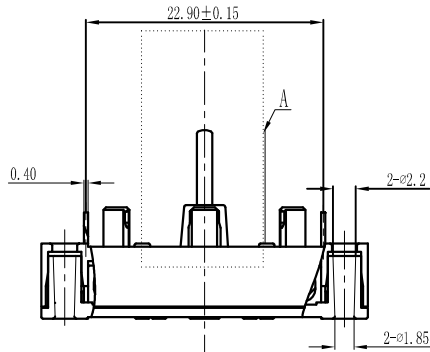
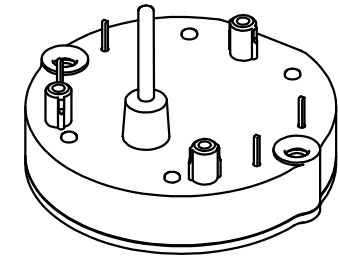
Detail D
5 : 1



Detail B
5 : 1



Detail C
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	mNm
	M400	fz=400Hz	0.75	0.9	fig.3	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-R9S						DWG NO.		
PART NAME						WEIGHT		
MATERIAL						QUANTITY		
DESIGN						SCALE		
CHECK						REV.		
ENGINEERING						SHEET 1 OF 1		
DATE						UNLESS OTHERWISE SPECIFIED		
DATE						TOLERANCES ARE		
DATE						LINEAR 0.5 ± 0.02		
DATE						5.10 ± 0.03		
DATE						>10 ± 0.05		
DATE						ANGULAR ± 0.3deg.		



ShenZhen Bactrianus Motor Co. LTD