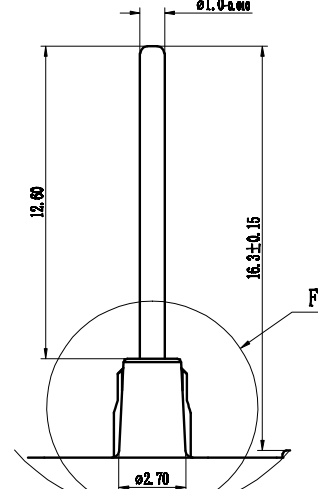
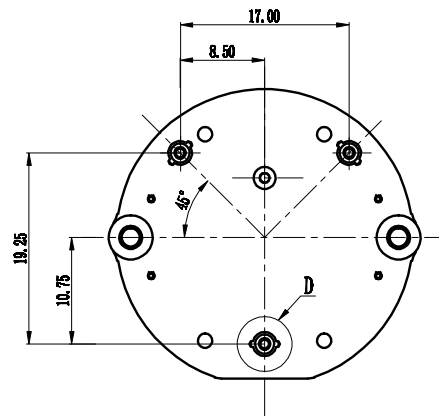
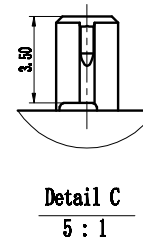
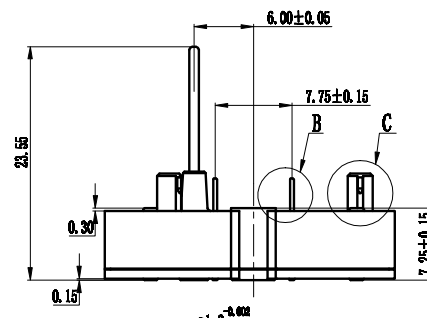
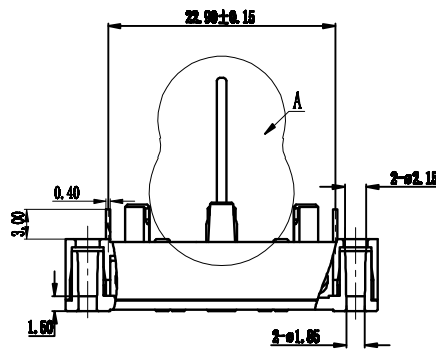
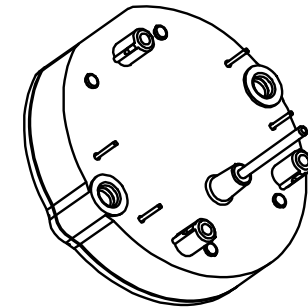
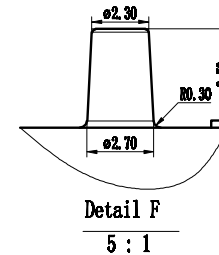
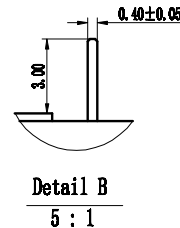
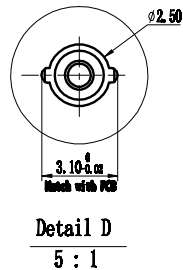
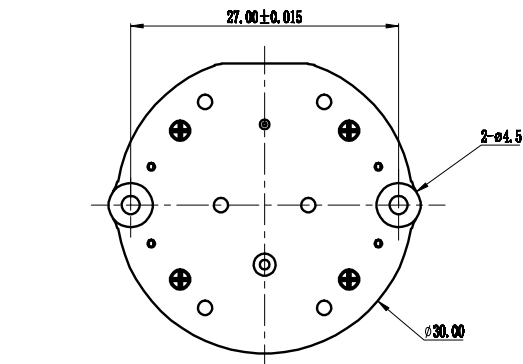




Detail A
5 : 1

Parameter	Sym.	Test Conditions	Min.	Type	Max.	Units
Operating Temperature	T_a		-40		105	°C
Coil Resistance	R_b		260	280	300	Ω
Operating Current	I_m	$f_s=200\text{Hz}$		15	20	mA
Magnetic Saturation Voltage	U_{bs}				9	V
Start-Stop Frequency	f_{ss}	$J_L=2 \times 10^{-7} \text{kg/m}^2$			200	Hz
Maximum Driving Frequency	f_m	$J_L=2 \times 10^{-7} \text{kg/m}^2$			600	Hz
Dynamic Torque	M200	$f_s=200\text{Hz}$	1.0	1.3	1.4	mNm
	M400	$f_s=400\text{Hz}$	0.75	0.9	1.05	mNm
Static Torque	M_s	$U_b=5\text{V}$	3.5	4.0		mNm
Backlash	α			0.7	1.0	Degree
Axial Push-on Force on shaft	F_A		100	120		N
Axial Pull-off Force on shaft	F_s		80	100		N
Radial Force on shaft	F_p		12	15		N
Imposed Acceleration	a_p			1000		Rad/S ²
Holding Torque on shaft	T_h		90	120		mNm
Maximum Inertia of the load on shaft	J_m	see Table 4				kgm ²
Gear ratio				180:1		
Step size in full step mode				1		Degree
Step size in Partial step mode				1/3		Degree
Step size in micro step mode				1/12		Degree
Noise Level	SPL	@ 100°			32	dBA
		@ 200°			35	dBA
		@ 400°			38	dBA
Angle of Rotation	β				320	Degree

						BKA30-R5LY		DWG NO.					
						PART NAME	Motor Assembly	WEIGHT		g	REV.	01	
								QUANTITY		1		SHEET 1 OF 1	
MARK NUMBER		DIVISION	ECN NO.	SIGNATURE	DATE	MATERIAL		SCALE		1:1			
DESIGN				Q A		 ShenZhen Baoshanwang Motor Co. LTD						UNLESS OTHERWISE SPECIFIED	
CHECK				APP'D								TOLERANCES ARE FRACTIONAL 0.5 ±0.02 1/10 ±0.03 1/10 ±0.05 1/16 ±0.01	
ENGINEERING				DATE								ANGULAR 1/16 ±0.01	