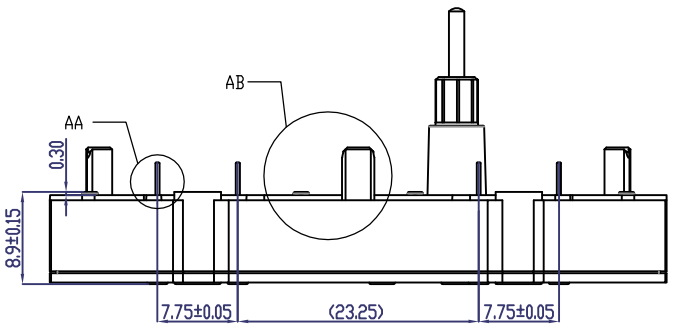
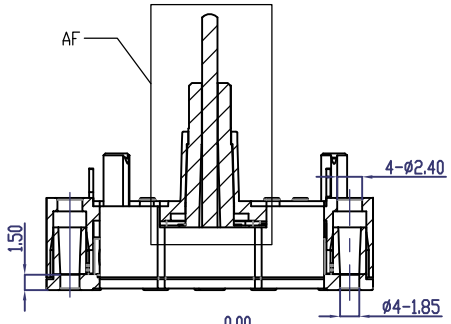
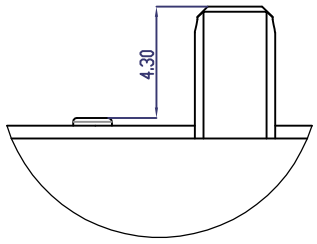
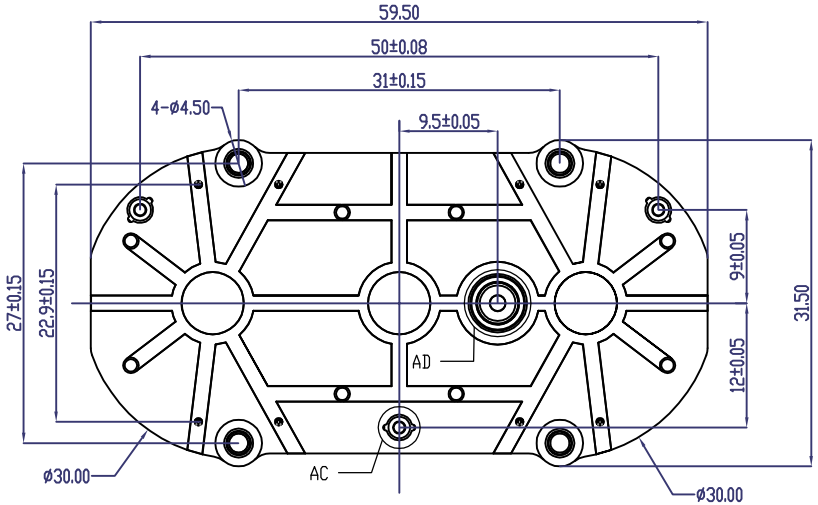
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETRES
SURFACE FINISH
REMOVED ALL BURRS AND SHARP EDGES
SURFACE ROUGHNESS 1.6

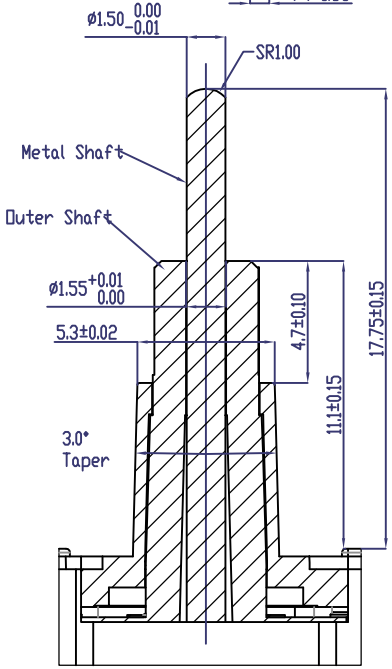






局部詳細 AB
比例 5 : 1



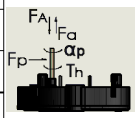


AF
5:1

Electrical and Mechanical Characteristics

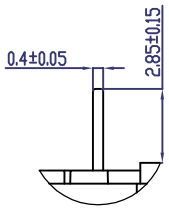
Symbol Definition : fz - testing frequency, U b - Driving Voltage
Testing Conditions : Tamb=25°C, in partial step mode @ Max. voltage 5.0V, unless other specified

Parameter		Sym.	Test Conditions	Min.	Type	Max.	Units
Operating Temperature		T_a		-40		105	℃
Coil Resistance		R_b		260	280	300	Ω
Operating Current		I_m	f_z=200Hz			20	mA
Magnetic Saturation Voltage		U_{bs}				9	V
Start-Stop Frequency		f_{ss}	$J_L=2\times10^{-7}kg/m^2$			200	Hz
Maximum Driving Frequency		f_m	$J_L=2\times10^{-7}kg/m^2$			600	Hz
Dynamic Torque	Outer Shaft	M200	f_z=200Hz	0.7	0.8		mNm
	Meter Shaft			1.05	1.2		mNm
	Outer Shaft	M400	f_z=400Hz	0.5	0.6		mNm
	Meter Shaft			0.75	0.9		mNm
Static Torque	Outer Shaft	M_s	U_b=5V	3.5	4.0		mNm
	Meter Shaft			3.5	4.0		mNm
Angle of Rotation	Outer Shaft	β				360	Degree
	Meter Shaft					360	Degree
Gears Clearance		σ			0.7	1.2	Degree
Axial Force(Push)	Outer Shaft	F_A				60	N
	Meter Shaft					180	
Axial Force(Pull)	Outer Shaft	F_a				60	N
	Meter Shaft					70	
Perpendicular Force	Outer Shaft	F_P				5	N
	Meter Shaft					13	
External Torque	Outer Shaft	T_h		110			mNm
	Meter Shaft			100			
Angular Acceleration		α_D				1000	Rad/S^2
Noise Lever		SPL	fz= 200 Hz or400Hz		40	50	dB(A)

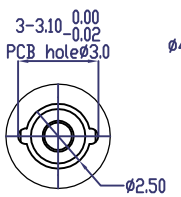


Absolute Maximum Ratings

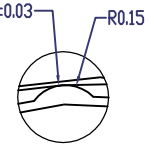
Parameter	Symbol	Conditions
Driving Voltage	U b	10V
ESD Tolerance	U ESD	10000V
EMI Tolerance (1 kHz ; AM 80%; 100 KHz - 2 GHz)	E	80V/m
Soldering Temperature (£ 10 sec)	Ts	260℃



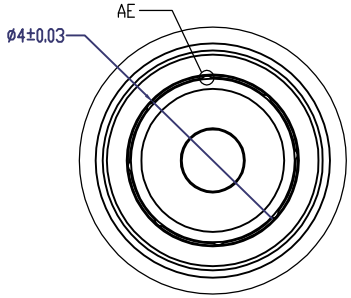
AA
5:1



AC
5:1



AE
50:1



AD
8:1

MARK	NUMBER	DIVISION	ECN NO.	SIGNATURE	DATE
DESIGN		Fuap		Q A	
CHECK				APPV'D	
ENGINEERING				DATE	

DWG NO.	BKA30D-R5C
PART NAME	Motor Assembly
MATERIAL	
WEIGHT	
QUANTITY	1
SCALE	2 : 1
REV.	01
SHEET	1 OF 1

BKA BACTRIANUS MOTOR Bactrianus Motor Limited

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE
LINEAR 0~5 ±0.02, 5~10 ±0.03, >10 ±0.05
ANGULAR ±0.3deg.