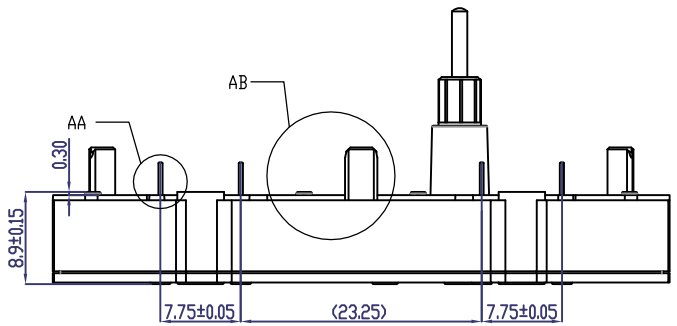
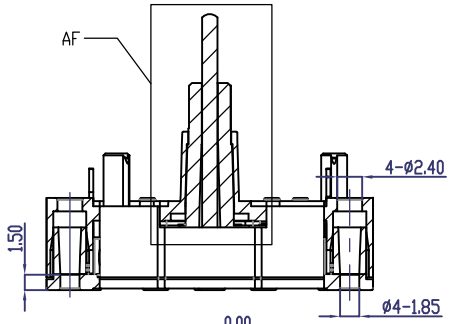
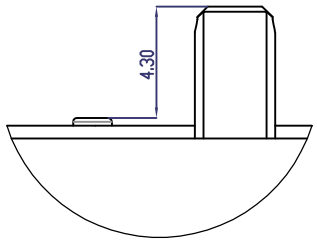
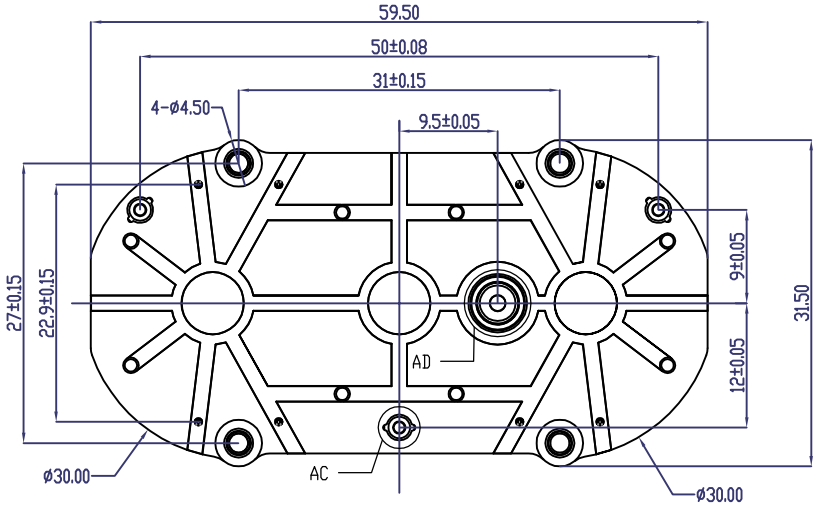
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETRES
SURFACE FINISH
REMOVED ALL BURRS AND SHARP EDGES
SURFACE ROUGHNESS 1.6

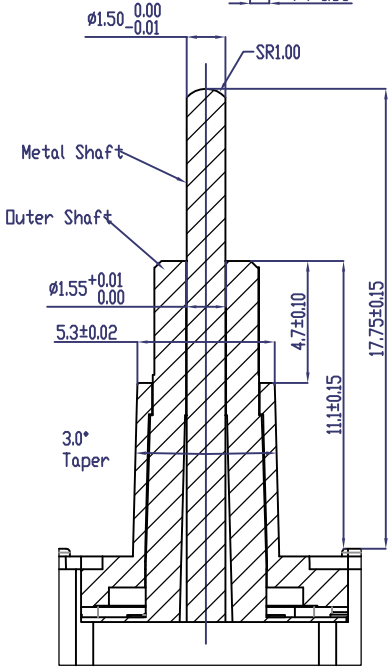






局部ﾙﾋﾟｬ AB
比例 5 : 1



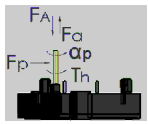


AF
5:1

Electrical and Mechanical Characteristics

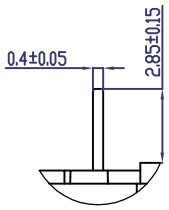
Symbol Definition : fz - testing frequency, U b - Driving Voltage
Testing Conditions : Tamb=25°C, in partial step mode @ Max. voltage 5.0V, unless other specified

Parameter		Symbol	Test Conditions	Min.	Typ.	Max.	Units
Operating Temperature		Ta		-40		105	℃
Coil Resistance		Rb		260	280	300	Ω
Operating Peak Current		Im	fz =200Hz			20	mA
Magnetic Saturation Voltage		Ubs				9	V
Start-Stop Frequency		fss	JL=2E-7Kg/m^2			200	Hz
Maximum Operating Frequency		fm	JL=2E-7Kg/m^2			600	Hz
Dynamic Torque	Outer Shaft	M200	fz =200Hz	0.7	0.8		mN.m
	Metal Shaft			1.05	1.2		mN.m
	Outer Shaft	M400	fz =400Hz	0.5	0.6		mN.m
	Metal Shaft			0.75	0.9		mN.m
Static Torque	Outer Shaft	Ms	Ub =5V	3.5	4.0		mN.m
	Metal Shaft			3.5	4.0		mN.m
Rotation Angle	Outer Shaft	β				320	Degree
	Metal Shaft					270	Degree
Gears Clearance		σ			0.7	1.2	Degree
Axial Force(Push)	Outer Shaft	FA				60	N
	Metal Shaft					180	N
Axial Force(Pull)	Outer Shaft	Fa				60	N
	Metal Shaft					70	N
Perpendicular Force	Outer Shaft	Fp				5	N
	Metal Shaft					13	N
External Torque	Outer Shaft	Th		110			mN.m
	Metal Shaft			100			mN.m
Angular Acceleration		ap				1000	Rad/s 2
Noise Level		SPL	fz =200Hz or 400Hz		40	50	dB(A)

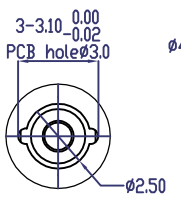


Absolute Maximum Ratings

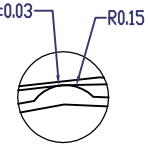
Parameter	Symbol	Conditions
Driving Voltage	U b	10V
ESD Tolerance	U ESD	10000V
EMI Tolerance (1 kHz ; AM 80%; 100 KHz - 2 GHz)	E	80V/m
Soldering Temperature (£ 10 sec)	Ts	260℃



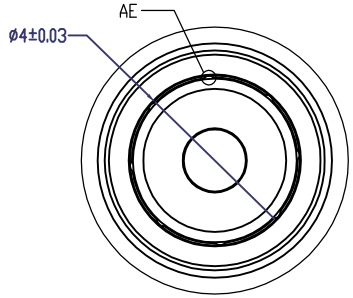
AA
5:1



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-R5
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.