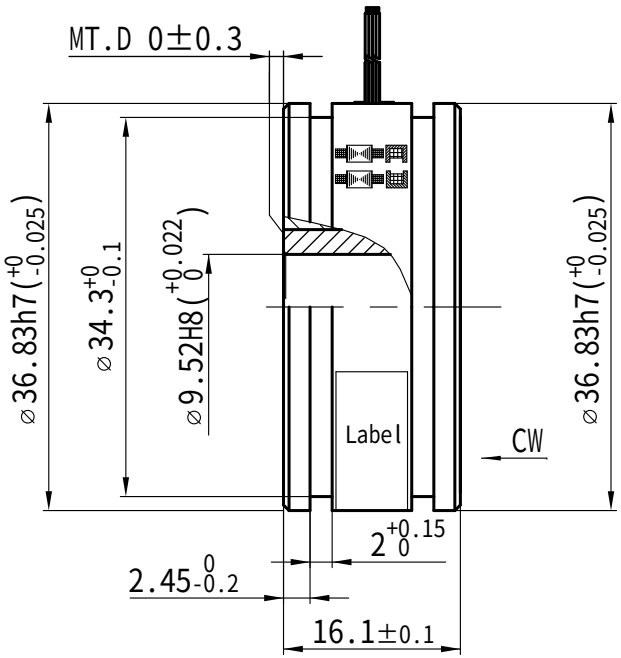
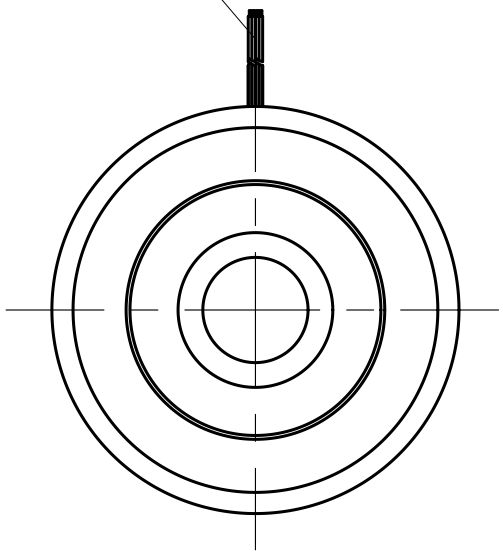
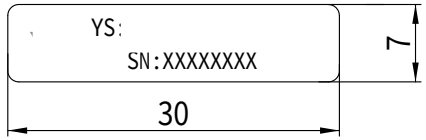
PARAMETER OF RESOLVER				
CHARACTERISTICS		SPECIFICATION		
TYPE			SAMPLING TEST	
PAIRS OF POLES		1	1	1
INPUT VOLTAGE		7 V	7 V	7 V
INPUT FREQUENCY		5KHz	7KHz	10KHz
TRANSFORMATION RATIO		0.5±10%	0.5±10%	0.5±10%
ELECTRICAL ERROR		±10 ' /20 ' (SPREAD)	±10 ' /12 ' (SPREAD)	±10 ' /20 ' (SPREAD)
PHASE SHIFT		15 ° ±3 °	5 ° ±3 °	-4 ° ±3 °
INPUT CURRENT		TYP 70mA	TYP 58mA	TYP 47mA
NULL VOLTAGE		≤30mV	≤30mV	≤30mV
INPUT IMPEDANCE	Z_{RO}	(100±15) Ω	(120±18) Ω	(150±23) Ω
OUTPUT IMPEDANCE	Z_{RS}	(90±14) Ω	(110±17) Ω	(140±21) Ω
INPUT IMPEDANCE	Z_{SO}	(300±45) Ω	(380±57) Ω	(500±75) Ω
OUTPUT IMPEDANCE	Z_{SS}	(280±42) Ω	(355±53) Ω	(460±69) Ω
HIGH POT TEST		WINDINGS TO GROUND AC 500V 3SEC 1mA		
		BETWEEN ISOLATED WINDINGS AC 250V 3SEC 1mA		
INSULATION RESISTANCE		≥100MΩ (DC500V)		
WEIGHT		≤0.09kg		
MAX. PERMISSIBLE SPEED		20000 rpm		
OPERATING TEMP.RANGE		-55℃~+155℃		
INPUT RESISTANCE		(35±3.5) Ω		
SINE RESISTANCE		(93±9.3) Ω		
COSINE RESISTANCE		(93±9.3) Ω		





Label Content



Note：

SN:XXXXXXXX

Year Month Serial NO.

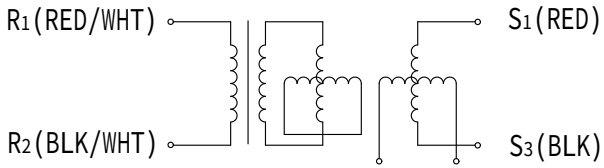
NOTE：

1.EACH ITEM IS MEASURED AT 20℃～30℃.

2.OUTPUT EQUATION

$U_{S1S3}=KU_{R1R2}\cos\varnothing$ $U_{S2S4}=KU_{R1R2}\sin\varnothing$ ROTOR CW AS VIEWED(CW).

SCHEMATIC DIAGRAM



NOTE	NO.	FILE NO.	AUTOGRAPH	DATE
DESIGN				
AUDIT				
PROCESS				
STANDARDIZED				
APPROVAL				

DEPOSITING

BOR Motion Control

BRUSHLESS RESOLVER

BR-15-1-A15

C.F036 WX

NOTE	MASS	SCALE
		2:1
1 ALL	1th	1.00 EDITION

SIZE: A3