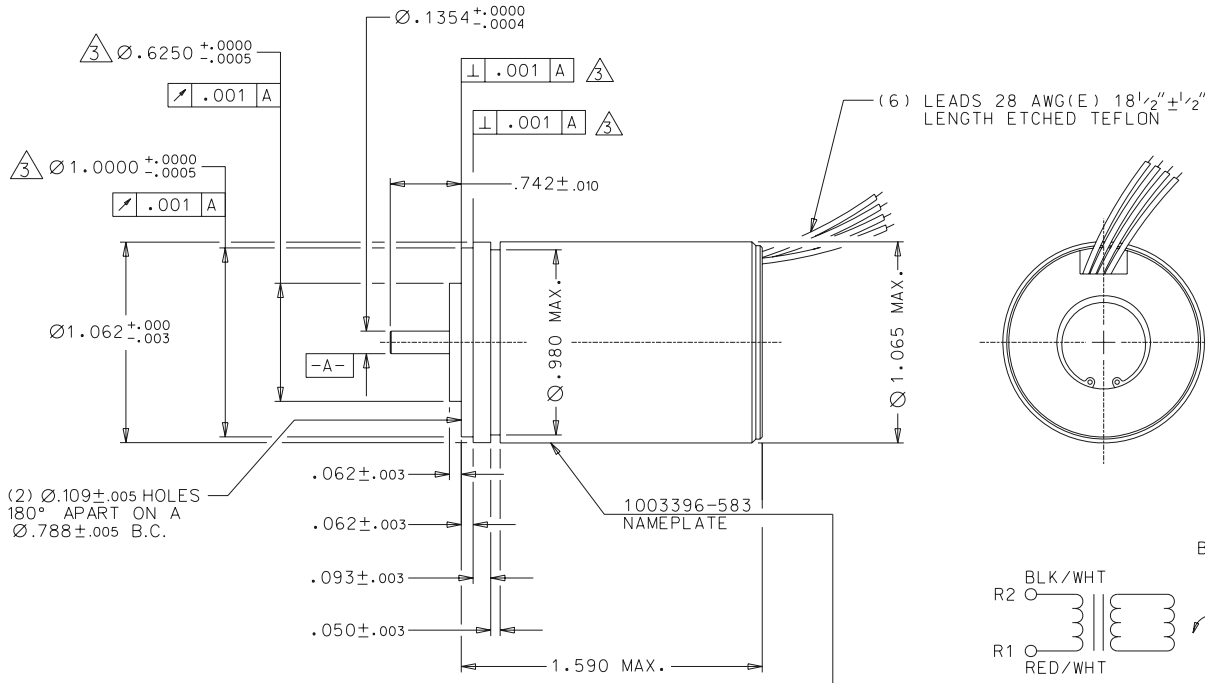


NOTES:

- ① SHAFT END PLAY MEASURED WITH AN 8 OZ. REVERSE GAGE LOAD.
- ② RADIAL PLAY MEASURED WITH A 4 OZ. REVERSE GAGE LOAD.
- ③ MEASURED IN A VERTICAL POSITION.

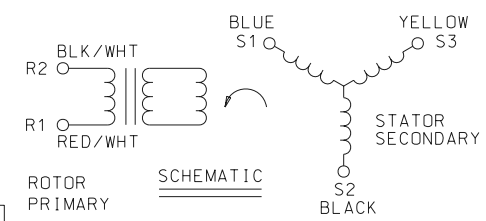
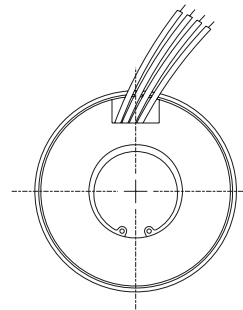


②
③

TYPICAL MECHANICAL DATA		
TEMPERATURE RANGE	°C	-55 to +105
SHAFT END PLAY		.005 TO .007
SHAFT RADIAL PLAY		.002 MAX.
SHAFT RUNOUT	F.I.R.	.002 MAX.
WEIGHT	GRAMS AVG.	116
TORQUE GRADIENT	MG-MM/DEG	1400 MIN.

TYPICAL ELECTRICAL DATA		
INPUT VOLTAGE	@400HZ VOLTS	26
INPUT CURRENT	MAX. MA	250
INPUT POWER	NOM. WATTS	3.5
IMPEDANCE ZSO	OHMS	15.6 +J 28
IMPEDANCE ZSS	OHMS	16 +J 10
IMPEDANCE ZRO	OHMS	70 +J 95
IMPEDANCE ZRS	OHMS	64 +J 31
TRANSFORMATION RATIO	±5%	.384
D.C. ROTOR RESISTANCE	±15% OHMS	18.5
D.C. STATOR RESISTANCE	±15% OHMS	8.5
ERROR FROM EZ	MAX. MINUTES	±30
PHASE SHIFT (OPEN CIRCUIT)		+19° REF.
NULL VOLTAGE (TOTAL) RMS	MV	40 MAX.
HIPOT TO CASE	60 HZ VRMS	500

(2) Ø.109±.005 HOLES
180° APART ON A
Ø.788±.005 B.C.



PHASING EQUATION
FOR CCW ROTATION OF SHAFT
FACING SHAFT END.
 $E(S1-S3)=KE(R2-R1) \sin \theta$
 $E(S3-S2)=KE(R2-R1)(\sin \theta +120^\circ)$
 $E(S2-S1)=KE(R2-R1)(\sin \theta +240^\circ)$

HAROSYN-TX 11BTX-300-B100D
ROTOR(IN)26V STATOR(OUT)11.8V 400HZ
PATENTED

FILENAME: 11BTX-300-B100D.DGN

THIS DRAWING HAS BEEN
CREATED BY CAD/CAM. DO NOT
MANUALLY REVISE OR UPDATE.

Tolerancing Complies
With ANSI/ASME
Y14.5M-1986

CHG.	REVISIONS	DATE	APPR.	CHG.	REVISIONS	DATE	APPR.	CHG.	REVISIONS	DATE	APPR.
				F	ECO#D7735	10/23/06	DRW				
				E	ECO#15942	4/99	RKT				
				D	ECO#13570	10/90	RKT				
				C	ECO#13403	10/90	RKT				
				B	LEADS WERE TYPE C (IRR)	10/90	DEH				
				A	NEW DWG.	10/90	DEH				

TOLERANCES
UNLESS SPECIFIED
DECIMAL .XXX ±.005
DECIMAL .XX ±.010
DECIMAL .X ±.030
FRACTION ±1/64
ANGLES ±0°30'

DRAWN
D. HERRINGTON

CHECKED
DST 10/91

ENGR
RKT 10/91

APPROV
DEH 11/91

CODE IDENT NO.
58655

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**OUTLINE & PERFORMANCE
SPECIFICATIONS**

**SYNCHRO TRANSMITTER
(BRUSHLESS)**

DWG. NO. 11BTX-300-B100D F