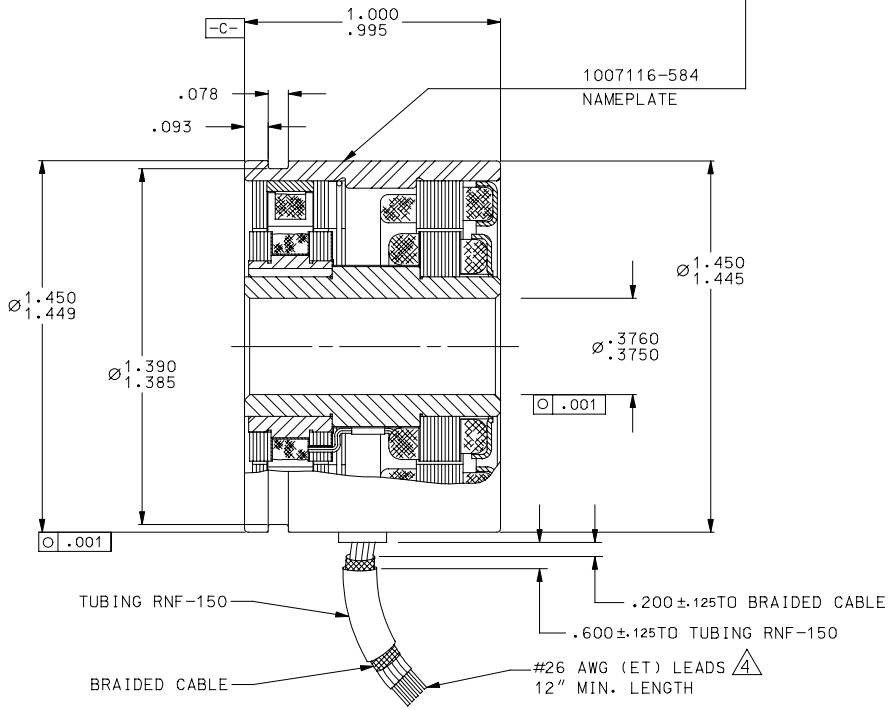
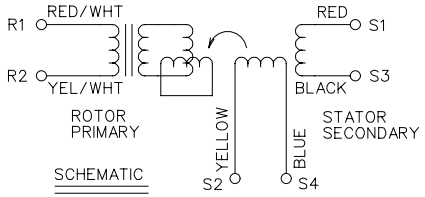
NOTES:
1. MATCHED SET - DO NOT ISSUE SEPARATELY.
2. ROTOR AND STATOR TO BE AXIALLY ALIGNED WITH PLANE "C" WITHIN .015.
3. MAX. ERROR FROM E-Z OF ±13 MINUTES WHEN ROTOR IS MOUNTED ON A SHAFT WHERE RUNOUT IS .003 F.I.R. AND MOUNTING CONCENTRICITY OF STATOR IS .004 F.I.R.
4. LEADS TO BE TWISTED PAIRS COVERED WITH A SINGLE TIN PLATED TUBULAR BRAID AND HEAT SHRINKABLE RNF-150 TUBING.

TYPICAL MECHANICAL DATA		
TEMPERATURE RANGE	°C	-55 TO +155
ROTOR MOMENT OF INERTIA	OZ-IN-SEC ^{2}	3.8 X 10^{-4}
WEIGHT	OZ.	4.5

TYPICAL ELECTRICAL DATA			5000Hz
INPUT VOLTAGE		VOLTS RMS	4.0
INPUT CURRENT		MAX. MA	23
INPUT POWER		NOM. WATTS	.045
IMPEDANCE ZRO		OHMS	105+J170
IMPEDANCE ZRS		OHMS	95+J140
IMPEDANCE ZSO		OHMS	200+J270
IMPEDANCE ZSS		OHMS	185+J220
TRANSFORMATION RATIO		±5%	.50
OUTPUT VOLTAGE		±5 VOLTS	2.0
D.C. ROTOR RESISTANCE		±15% OHMS	41
D.C. STATOR RESISTANCE		±15% OHMS	94
SENSITIVITY		MV/DEG	35
3 MAX. ERROR FROM E-Z MINUTES			±10
PHASE SHIFT OPEN CIRCUIT		NOM	+6°
NULL VOLTAGE		MAX MV	25
HIPOT TO CASE	60HZ	VRMS	500
HIPOT BETWEEN PHASES	60HZ	VRMS	250

DELTRAN PT – HAROWE
HAROSYN-RCX 15BRCX-500-F4C/10
ROTOR(IN) 4.0V. STATOR(OUT) 2.0V. 5000HZ





PHASING EQUATION

FOR CCW ROTATION OF ROTOR FACING TRANSFORMER MOUNTING FLANGE END.

$E(S1-S3) = KE(R1-R2)\ \cos\ \theta$
$E(S2-S4) = KE(R1-R2)\ \sin\ \theta$

FILENAME: 15BRCX-500-F4C-10.SH1

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.

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

DRAWN KROMPHARDT
CHECKED
ENGR RKT 2/28/02
APPROV
CODE IDENT NO. 58655

Deltran PT – Harowe

OUTLINE & PERFORMANCE SPECIFICATIONS

RESOLVER BRUSHLESS FRAMELESS

DWG. NO. 15BRCX-500-F4C/10 SHEET 1 OF 2