

NOTES: (E)

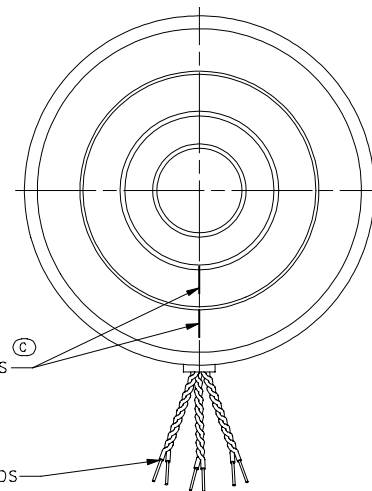
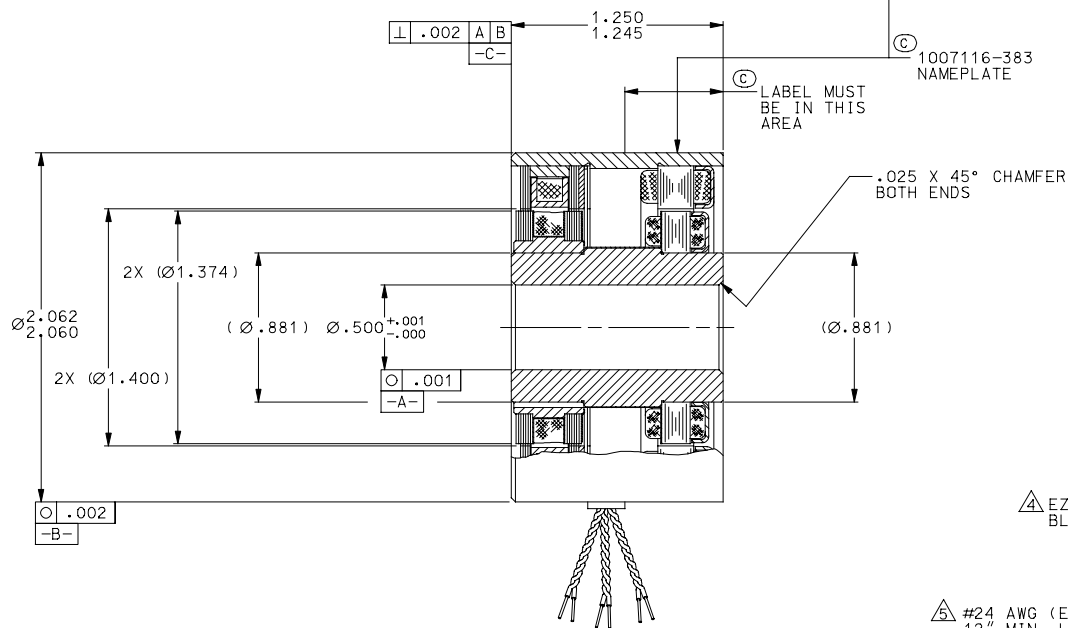
- 1.
 2. RUNOUT MEASURED WITH UNIT MOUNTED.
 3. ROTOR AND STATOR TO BE AXIALLY ALIGNED WITH $\boxed{-C-}$ WITHIN .020.
- △ MAX ERROR FROM E-Z OF ± 10 MINUTES WHEN ROTOR IS MOUNTED ON SHAFT WHERE RUNOUT IS .003 F.I.R. AND MOUNTING CONCENTRICITY OF STATOR IS .004 F.I.R.
- △ LEADS TO BE TWISTED PAIRS (RED/WHT & YEL/WHT, YEL/BLU, RED/BLK) 2 TWIST MIN. PER INCH.

MECHANICAL DATA		
TEMPERATURE RANGE	°C	-55 TO +155
ROTOR MOMENT OF INERTIA	OZ-IN-SEC ²	.0028
WEIGHT	OZ.	11

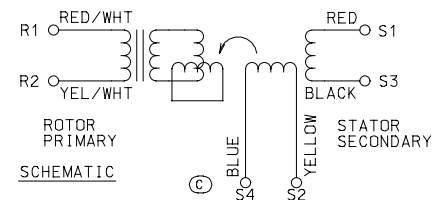
ELECTRICAL DATA			4 KHZ
Input Voltage	Volts	8.0	
Input Current	Max MA	20	
Input Power	Nom Watts	.05	
Impedance ZS0	Ohms	110 +J 180	
Impedance ZS5	Ohms	100 +J 155	
Impedance ZR0	Ohms	210 +J 410	
Impedance ZRS	Ohms	190 +J 350	
Transformation Ratio		$\pm 10\%$	.25
Output Voltage	$\pm 10\%$ Volts	2.00	
DC Rotor Resistance	$\pm 15\%$ Ohms	53	
DC Stator Resistance	$\pm 15\%$ Ohms	40	
Sensitivity	MV/Deg	70	
Max Error From E-Z	Minutes	± 10	
Phase Shift (Open Circuit)		$5.5 \pm 3^\circ$	
Null Voltage	Max MV	15	
Hipot To Case	60HZ VRMS	500	
Hipot Between Phases	60HZ VRMS	250	

API - HAROWE, INC.
ALLEN - BRADLEY 155407
06989 21BRCX-510-D7B/10 S/N

MADE IN ST. KITTS, WI



PHASING EQUATION (C)
FOR CCW ROTATION AS VIEWED FROM TRANSFORMER END
 $E(S1-S3) = KE(R1-R2) \cos 2 \theta$
 $E(S2-S4) = -KE(R1-R2) \sin 2 \theta$



FILENAME: 21BRCX72.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.	CHG.	REVISIONS	DATE	APPR.	CHG.	REVISIONS	DATE	APPR.	CHG.	REVISIONS	DATE	APPR.

TOLERANCES UNLESS SPECIFIED
DECIMAL .XXX $\pm .005$
DECIMAL .XX $\pm .010$
DECIMAL .X $\pm .050$
FRACTION $\frac{1}{64}$
ANGLES 30° 30'
DRILL
D. HERRINGTON
CHG. DCH 10-6-95
ENGR RKT 10-6-95
APPROV DEH 10-9-95
CODE IDENT NO.
58655

Deltran PT - Harowe

PROPRIETARY RIGHTS OF DELTRAN PT-HAROWE ARE INCLUDED IN THE
INFORMATION DISCLOSED HEREIN. DO NOT DUPLICATE OR DISCLOSE TO
THIRD PARTIES WITHOUT WRITTEN PERMISSION OF DELTRAN PT.

OUTLINE & PERFORMANCE
SPECIFICATION

BRUSHLESS RESOLVER
2 SPEED

SCALE 2:1 DWG. 21BRCX-510-D7B/10
NO. SHEET #1 OF 2 E