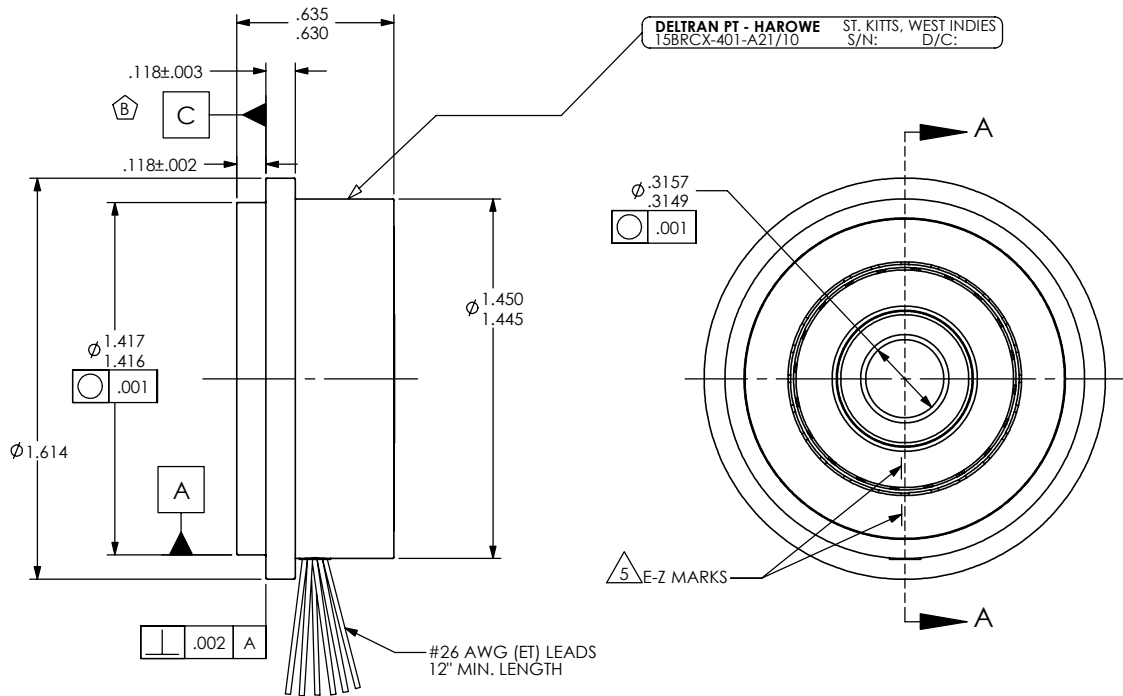


PART NUMBER	NEXT ASSY	MODEL NUMBER
15BRCX-401-A21/10	-	-

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
A	16373	SEE ECO	4/00	-	RKT
B	16700	SEE ECO	2/01	-	RKT
C	D6107	SEE ECO	12/17/02	DDK	RKT

- NOTES:
- RUNOUT MEASURED WITH UNIT MOUNTED.
 - ROTOR FACE AND PLANE C OF HOUSING TO BE AXIALLY ALIGNED WITHIN $.118 \pm .010$ B
 - MAX ERROR OF ± 13 MINUTES WHEN ROTOR IS MOUNTED ON SHAFT WHERE RUNOUT IS $.003$ F.I.R. AND MOUNTING CONCENTRICITY OF STATOR IS $.004$ F.I.R.
 - MATERIAL - HOUSING: ELECTROLESS NICKEL PLATED 12L14
 - ROTOR AND STATOR E-Z MARKS TO BE IN LINE WITH LEAD EXIT AS SHOWN, ON STATOR END.



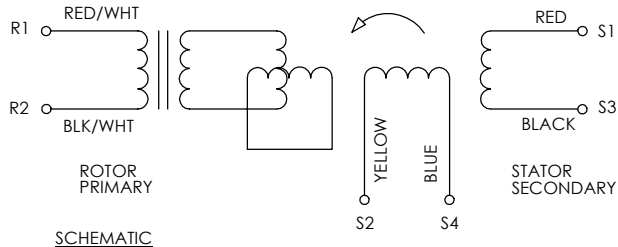
TYPICAL ELECTRICAL DATA		4500 HZ
INPUT VOLTAGE	VOLTS RMS	10.0
INPUT CURRENT	MAX. MA	58
INPUT POWER	NOM. WATTS	.28
IMPEDANCE ZRO	OHMS	110+J165
IMPEDANCE ZRS	OHMS	110+J145
IMPEDANCE ZSO	OHMS	280+J370
IMPEDANCE ZSS	OHMS	270+J325
TRANSFORMATION RATIO	$\pm 5\%$	.50
OUTPUT VOLTAGE	$\pm 5\%$ VOLTS	5.0
DC ROTOR RESISTANCE	$\pm 15\%$ OHMS	43
DC STATOR RESISTANCE	$\pm 15\%$ OHMS	172
MAX. ERROR FROM E-Z	MINUTES	± 10
PHASE SHIFT OPEN CIRCUIT	NOM. WATTS	$+12^\circ$
NULL VOLTAGE	MAX. MV	30
HIPOT TO CASE	VRMS	500
HIPOT BETWEEN PHASES	VRMS	250

TYPICAL MECHANICAL DATA	
TEMPERATURE RANGE	$^\circ\text{C}$ -55 TO +155
ROTOR MOMENT OF INERTIA	GM-CM-SEC ² .0141
WEIGHT	OZ. 3.0

PHASING EQUATION
FOR CCW ROTATION OF ROTOR FACING
TRANSFORMER MOUNTING FLANGE END.

$$E(S1-S3) = KE(R1-R2) \cos \varnothing$$

$$E(S2-S4) = KE(R1-R2) \sin \varnothing$$



SCHEMATIC

				PARTS LIST	
THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIAMETERS CONCENTRIC - .003 TIR FACES PERPENDICULAR - .003 INTERPRETATION PER ASME Y14.5M-1994		REMOVE ALL BURRS AND BREAK SHARP EDGES - .005/010 ALL INSIDE CORNERS TO BE .015 R MAX UNLESS OTHERWISE SPECIFIED.	
		63 MACHINE SURFACES		APPROVALS DATE	
		FRACTIONS $\pm 1/64$ DECIMALS $\pm .01$ ANGLES $\pm 30'$.000 $\pm .005$		DRAWN DCH 4/00	
		HEAT TREAT N/A		CHECKED DCH 5/22/00	
		FINISH N/A		DES ENG RKT 5/22/00	
				MFG ENG	
				QUAL ENG	
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				SCALE 2:1 SHEET 1 OF 2 CODE IDENT: 58655	

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