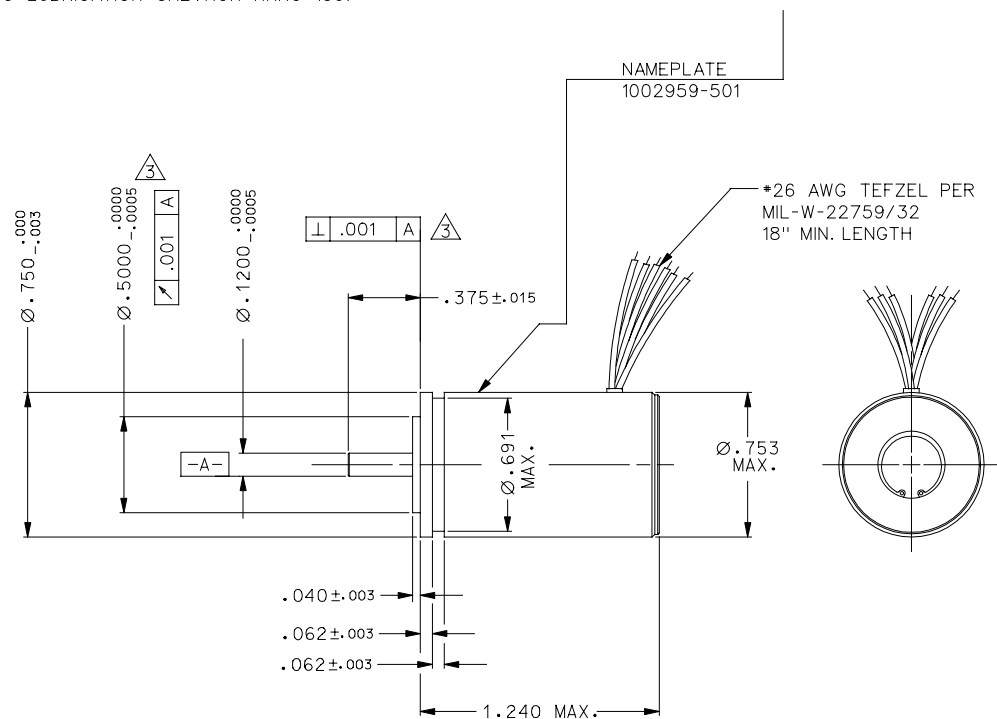


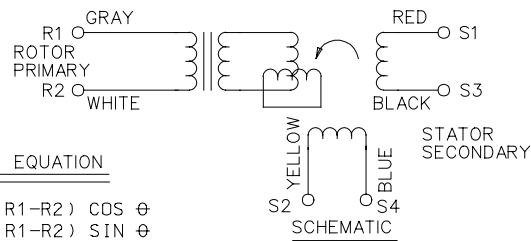
1. SHAFT END PLAY MEASURED WITH A 8 OZ. REVERSE GAGE LOAD.
2. RADIAL PLAY MEASURED WITH A 4 OZ. REVERSE GAGE LOAD.
3. MEASURED IN A VERTICAL POSITION.
4. TEST DATA SHEETS AND SERIAL NUMBERS REQUIRED WITH UNIT.
5. UNIT WILL WITHSTAND 10^8 RADS (TOTAL DOSAGE).
6. BEARING LUBRICATION CHEVRON NRRG 159.

8BRCX-300-G11T (PATENTED) 400HZ
 ROTOR 1 PHASE (INPUT) 26 VOLTS
 STATOR 2 PHASE (OUTPUT) 11.8 VOLTS
 DELTRAN PT - HAROWE



PHASING EQUATION

$$\begin{aligned} E(S1-S3) &= KE(R1-R2) \cos \theta \\ E(S2-S4) &= KE(R1-R2) \sin \theta \end{aligned}$$



TYPICAL MECHANICAL DATA		
TEMPERATURE RANGE	°C	-55 to +125
FRICTION @+25° C	GM-CM	3 MAX.
FRICTION @-55° C	GM-CM	6
ROTOR MOMENT OF INERTIA	GM-CM ²	1.0
SHAFT END PLAY (SEE NOTE #1)		.001 TO .002
SHAFT RADIAL PLAY (SEE NOTE #2)		.001 MAX.
SHAFT RUNOUT	F.I.R.	.001 MAX.
WEIGHT	GRAMS AVG.	47

TYPICAL ELECTRICAL DATA			
INPUT VOLTAGE	@ 400HZ	VOLTS-RMS	26
INPUT CURRENT		MAX. MA	33
INPUT POWER		NOM. WATTS	.42
IMPEDANCE ZSO		OHMS	275 +J 325
IMPEDANCE ZSS		OHMS	285 +J 150
IMPEDANCE ZRO		OHMS	495 +J 750
IMPEDANCE ZRS		OHMS	610 +J 415
TRANSFORMATION RATIO		±5%	.454
OUTPUT VOLTAGE		±5 VOLTS	11.8
D.C. ROTOR RESISTANCE		±10% OHMS	127
D.C. STATOR RESISTANCE		±10% OHMS	137
SENSITIVITY		MV/DEG	206
MAX. ERROR FROM E.Z.		MINUTES	±7
PHASE SHIFT (OPEN CIRCUIT) LEADING			19°
NULL VOLTAGE (TOTAL) RMS		MV	30 MAX.
HIPOT TO CASE	60HZ	VRMS	500
HIPOT BETWEEN PHASES	60HZ	VRMS	250

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

DRAWN
J. COLEMAN
CHECKED
ENGR
RKT 2/5/02
APPROV

CODE IDENT NO.	58655
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OUTLINE & PERFORMANCE SPECIFICATIONS

RESOLVER TRANSMITTER
(BRUSHLESS)

DWG. NO. 8BRCX-300-G11T