

NOTES

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

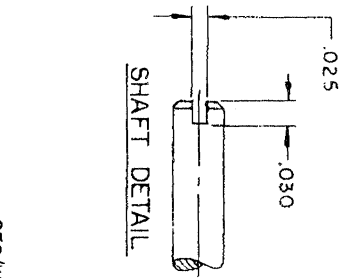
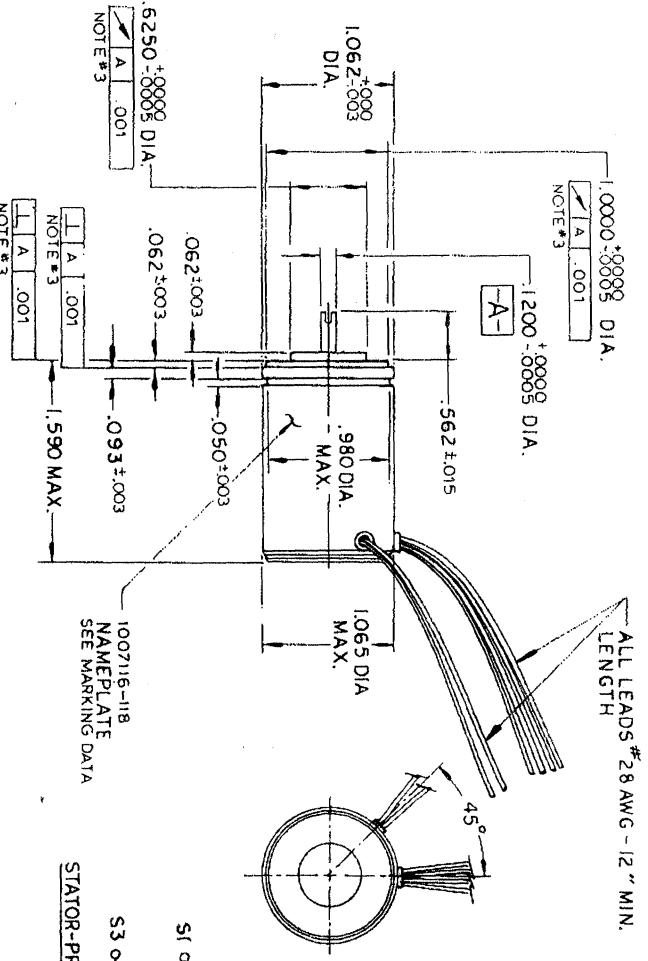
MARKING DATA
 HAROSYN.-RW 11BRW-300-F 10/10
 ROTOR/COU126V, STATORCIN12V, 2500HZ
 PATENTED

MECHANICAL DATA

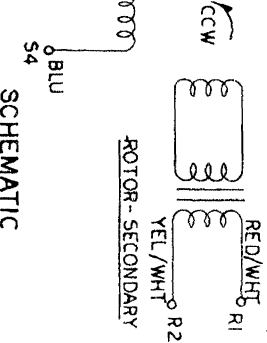
TEMPERATURE RANGE	DEG. C	-55 TO +125
FRICTION @+25 °C	Gm-Cm	4
FRICTION @ -55 °C	Gm-Cm	8
ROTOR MOMENT OF INERTIA	Gm-CM ²	3.6
SHAFT END PLAY (See Note 1)	.001 TO .002	
SHAFT RADIAL PLAY (See Note 2)	.001 MAX.	
SHAFT RUNOUT	T. I. R.	.001 MAX.
WEIGHT	Grams Avg.	116

ELECTRICAL DATA

INPUT VOLTAGE	VOLTS	400HZ	2500 HZ
INPUT CURRENT (MAX) MAX.	MA	12.0	12.0
INPUT POWER (WATTS) NOM.	W	0.9	3.1
IMPEDANCE Z ₅₀ (OHMS)	Ω	.04	.018
IMPEDANCE Z ₂₅₀ (OHMS)	Ω	515 + j1275	2500 + j1800
IMPEDANCE Z ₆₀ (OHMS)	Ω	590 + j1415	800 + j1800
IMPEDANCE Z ₈₀ (OHMS)	Ω	295 + j530	1150 + j2050
TRANSFORMATION RATIO		280 ± 15%	360 ± 17.7%
OUTPUT VOLTAGE (VOLTS)	V	.50 ± 5.0%	.50 ± 5.0%
D.C. ROTOR RESIST (OHMS)	Ω	6.0 ± 5.0%	6.0 ± 5.0%
J.C. STATOR RESIST (OHMS)	Ω	76 ± 10%	76 ± 10%
PHASE SHIFT (OPEN CIRCUIT) LEADING	°	197 ± 10%	197 ± 10%
MAX. ERROR FROM E _Z	Minutes	±10	
SENSITIVITY	MV/DEG	105	
NULL VOLTAGE (TOTAL) RMS	MV	30	
HIPOT TO CASE	60HZ VRMS	500	
HIPOT BETWEEN PHASES	60HZ VRMS	250	



PHASING EQUATION
 $E(R1-R2) = K[E(S1-S3)\cos\phi + E(S2-S4)\sin\phi]$



SCHEMATIC

ROTATION VIEWED FROM SHAFT END

TOLERANCES UNLESS SPECIFIED			DATE ISSUED		
DECIMAL	±.001	3	DATE	APPR	
FRACTIONS	±.001	3	DATE	APPR	
ANGLES		3	DATE	APPR	
OUTLINE & PERFORMANCE SPECIFICATION SYNCHRO RESOLVER-BRUSHLESS DWG. NO. 11BRW-300-F 10/10					
WEST CHESTER, PA. 19380		Harow® HARTING ELECTRIC COMPANY 1234 EAST MAIN ST., PHILADELPHIA, PA. 19102			