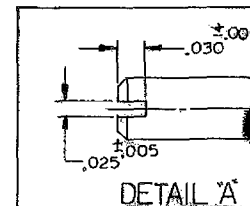
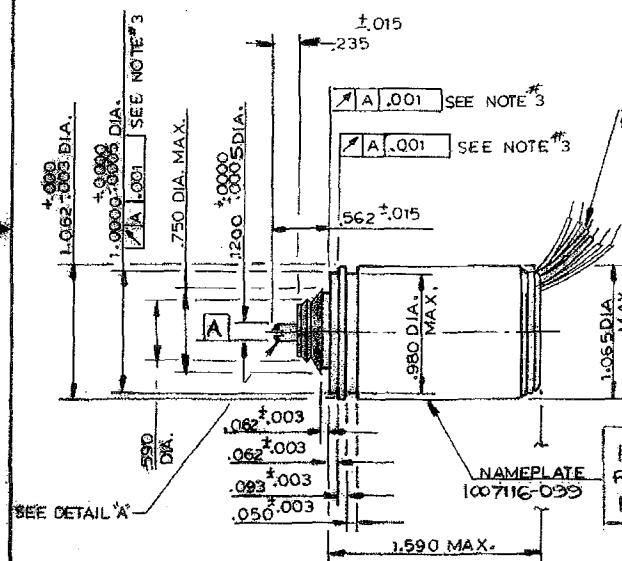


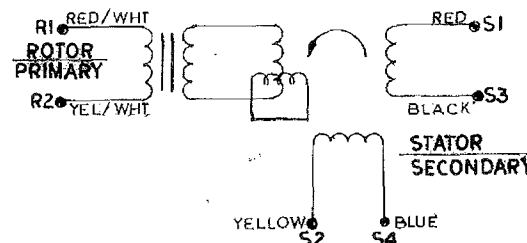
- 1-SHAFT END PLAY MEASURED WITH A 8OZ.REVERSE GAGE LOAD.
- 2-RADIAL PLAY MEASURED WITH A 4OZ REVERSE GAGE LOAD.
- 3-MEASURED IN A VERTICAL POSITION.
- 4-UNIT HAS A RUBBER SEAL ON FRONT (SHAFT SEAL) & THE LEAD EXIT & REAR ARE SEALED.



TYPICAL MECHANICAL DATA		
TEMPERATURE RANGE	C°	-55 to +125
FRICION @ 25° MAX	OZ. IN.	1.0
FRICION @ 55° MAX	OZ. IN.	2.0
ROTOR MOMENT OF INERTIA	GM-CM	3.6
SHAFT END PLAY (SEE NOTE #1)		.001 TO .002
RADIAL PLAY (SEE NOTE #2)		.001 MAX.
SHAFT RUNOUT	F.I.R.	.001 MAX.
WEIGHT	GRAMS AVG.	116



ALL LEADS #28AWG 12" MIN LENGTH -
(4) STATOR LEADS (2) ROTOR LEADS -
45° APART.



SCHEMATIC

PHASING EQUATION

$$E(S_2 - S_4) = KE(R_1 - R_2) \sin \theta$$

HAROSYN-RLX 118RCX-300-N-10V
 ROTOR(IN) 8.5V STATOR(OUT) 8.5V 1000HZ
 PATENTED

TYPICAL ELECTRICAL DATA			
INPUT VOLTAGE	1000HZ	VOLTS	8.5
INPUT CURRENT		MAX. MA	14
INPUT POWER		NOM. WATTS	.064
IMPEDANCE	Z50	OHMS	790+J123
IMPEDANCE	Z55	OHMS	400+J475
IMPEDANCE	Z60	OHMS	435+J535
IMPEDANCE	Z65	OHMS	210+J215
TRANSFORMATION RATIO		±5%	1.00
OUTPUT VOLTAGE		±5% VOLTS	8.5
D.C. ROTOR RESISTANCE		±10% OHMS	25
D C STATOR RESISTANCE		±10% OHMS	119
SENSITIVITY		MV/DEG	148
MAX ERROR FROM E. Z.		MINUTES	±7
PHASE SHIFT (OPEN CIRCUIT) LEADING			+4
NULL VOLTAGE (TOTAL) RMS		MV	30
HIPOT TO CASE		VRMS	500
HIPOT BETWEEN PHASES		VRMS	250

Harowe
WEST CHESTER, PA. 19380

OUTLINE & PERFORMANCE SPECIFICATIONS

SYNCHRO-RESOLVER
TRANSMITTER

W190K-100 N-10V-A

[illegible]