

NOTES

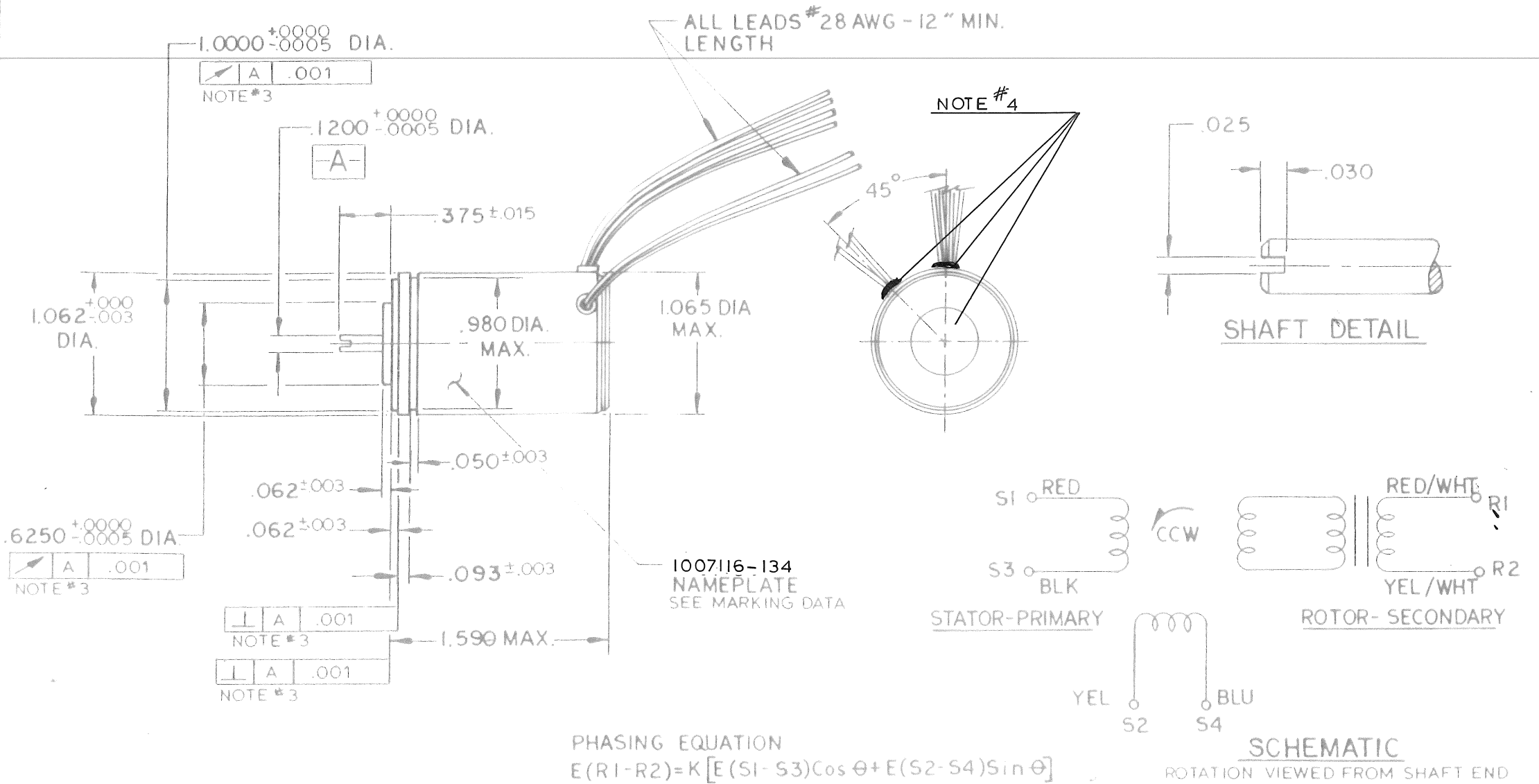
- 1. SHAFT END PLAY TO BE MEASURED WITH AN 8 OZ. REVERSE GAGE LOAD.
- 2. RADIAL PLAY TO BE MEASURED WITH A 4 OZ REVERSE GAGE LOAD.
- 3. MEASURED IN A VERTICAL POSITION.
- 4. UNIT HAS TEFLON SHAFT SEAL IN FRONT WITH LEAD EXITS AND REAR OF UNIT SEALED WITH EPOXY.

MARKING DATA

HAROSYN-RW
ROTOR COUT 6.0V. PATENTED
11BRW-300-F-IM/10
STATOR (IN) 12.0V. 2500 HZ

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

	400 HZ	2500 HZ
INPUT VOLTAGE VOLTS	12.0	12.0
INPUT CURRENT (MA) MAX	10.9	3.1
INPUT POWER (WATTS) NOM.	.04	.018
IMPEDANCE ZSO (OHMS)	515 + j1275	2500 + j4800
IMPEDANCE ZSS (OHMS)	590 + j415	800 + j1800
IMPEDANCE ZRO (OHMS)	295 + j530	1150 + j2050
IMPEDANCE ZRS (OHMS)	280 + j155	360 + j775
TRANSFORMATION RATIO	.50 ± 5%	.50 ± 5%
OUTPUT VOLTAGE (VOLTS)	6.0 ± 5%	6.0 ± 5%
DC ROTOR RESIST (OHMS)	76 ± 10%	76 ± 10%
DC STATOR RESIST (OHMS)	197 ± 10%	197 ± 10%
PHASE SHIFT (OPEN CIRCUIT) LEADING	+12	-2
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

Bowmar/Harowe
WEST CHESTER, PA 19380

OUTLINE & PERFORMANCE SPECIFICATION
TITLE
SYNCHRO RESOLVER-BRUSHLESS

DWG. NO. 11BRW-300-F-IM/10

A

Mouser Electronics

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