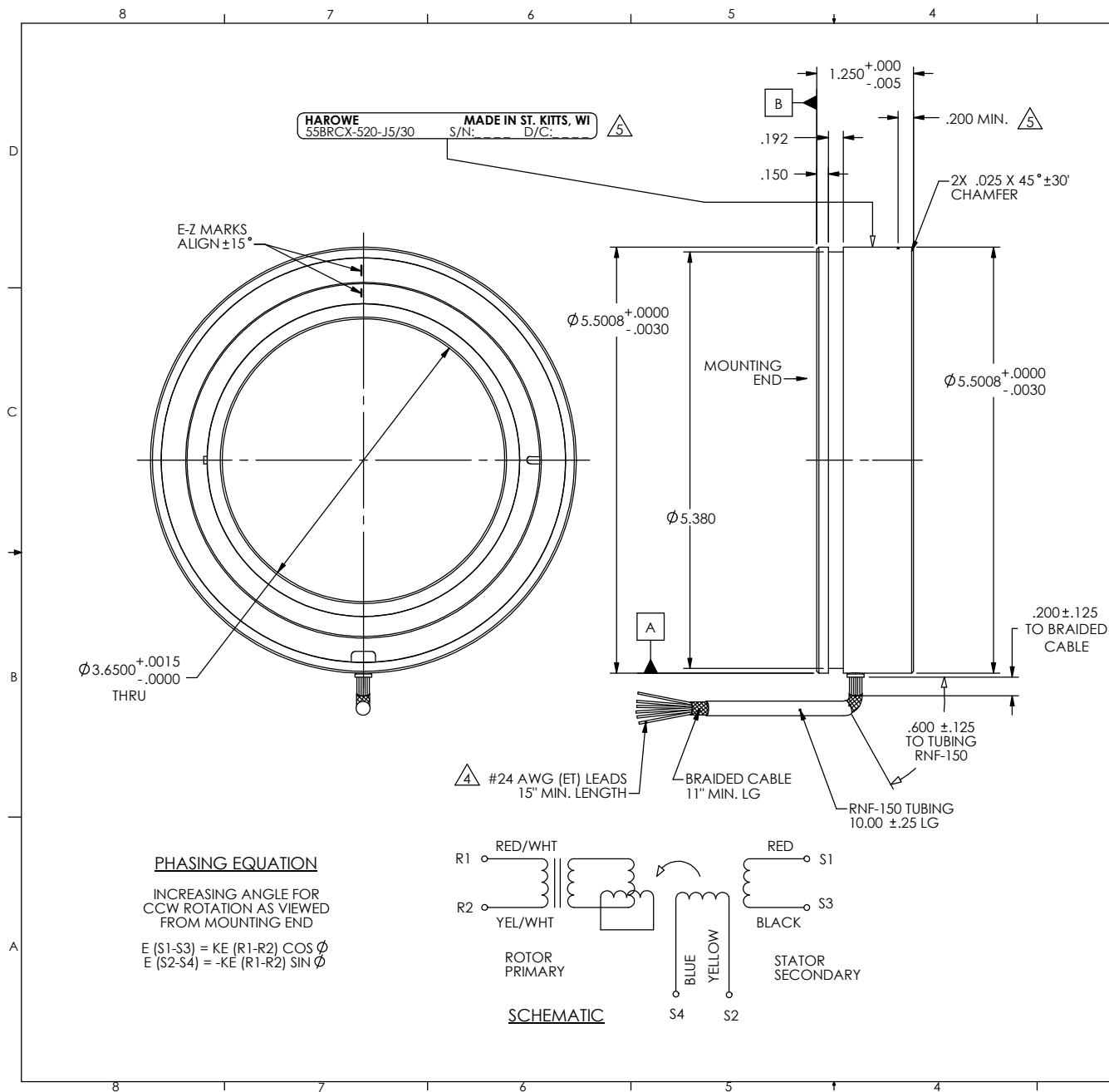




REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
-	-	NEW DRAWING	4/19/04	DDK	DRW
A	D6565	SEE ECO	6/7/04	DDK	DRW
B	D6865	SEE ECO	3/24/05	DDK	DRW
C	D7444	SEE ECO	5/18/06	DDK	DRW
D	28891	SEE ECN	7/21/2008	SEW	
E	100192	SEE ECO	2/27/2014	DRW	MCP

NOTES:

1. MATCHED SET - DO NOT ISSUE SEPARATELY.
 2. ROTOR AND STATOR TO BE ALIGNED WITH DATUM 'B' ±.015
 3. CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.
- 4 LEADS TO BE TWISTED PAIRS COVERED WITH A SINGLE TIN PLATED TUBULAR BRAID AND HEAT SHRINKABLE RNF-150 TUBING.
- 5 NAMEPLATE MUST NOT BE WITHIN MINIMUM DIMENSION SHOWN

ELECTRICAL & MECHANICAL DATA AT 25°C			
VALUES ARE REFERENCE UNLESS OTHERWISE TOLERANCED			
HIPOT TESTING PERFORMED AT 60HZ, 4 SECOND DURATION			
ELEC CYC / MECH CYC	deg/deg		1
EXCITATION FREQUENCY	±1% kHz		7.0
INPUT VOLTAGE	±5% Vrms		4.25
INPUT CURRENT	Max. mArms		55
INPUT POWER	Watts		.15
IMPEDANCE ZRO	Ohms		91
IMPEDANCE ZRS	Ohms		86
IMPEDANCE ZSO	Ohms		468
IMPEDANCE ZSS	Ohms		445
TRANSFORMATION RATIO	±5%		.47
DC RESISTANCE (R1-R2)	±15% Ohms		39
DC RESISTANCE (S1-S3, S2-S4)	±15% Ohms		54
ERROR	Max. arcminutes		±30
PK-PK ERROR	Max. arcminutes		-
PK-PK VELOCITY RIPPLE ERROR	Max. %		-
PHASE SHIFT, OPEN CIRCUIT	±3 degrees		+4
NULL VOLTAGE	Max. mVrms		30
HIPOT, LEADS TO CASE, 500VAC	Max. mArms		2
HIPOT, INTERPHASE, 250VAC	Max. mArms		2
TEMPERATURE RANGE	°C		-55 TO +155
ROTOR MOMENT OF INERTIA	oz-in-sec ²		.26
WEIGHT	lbs		3.3

 THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES SHARP EDGES BROKEN .005/.010 INSIDE CORNERS R .015 MAX TOLERANCES: DECIMAL .00 ±.01 .000 ±.005 ANGLE .01° ±.01° CHAMFER ANGLE .010° ±.010° INTERPRETATION PER ASME Y14.5M-1994		Harowe OUTLINE & PERFORMANCE SPECIFICATION RESOLVER BRUSHLESS			
	APPROVALS				DATE	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HAROWE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF HAROWE IS PROHIBITED.	DRAWN DDK		4/19/04			
	CHECKED DRW		4/20/04			
	DESIGN DRW		4/20/04			
3	2	SIZE DWG. NO. B 55BRCX-520-J5/30		SCALE .75:1	SHEET 1 OF 2	CODE IDENT: 58655

Mouser Electronics

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