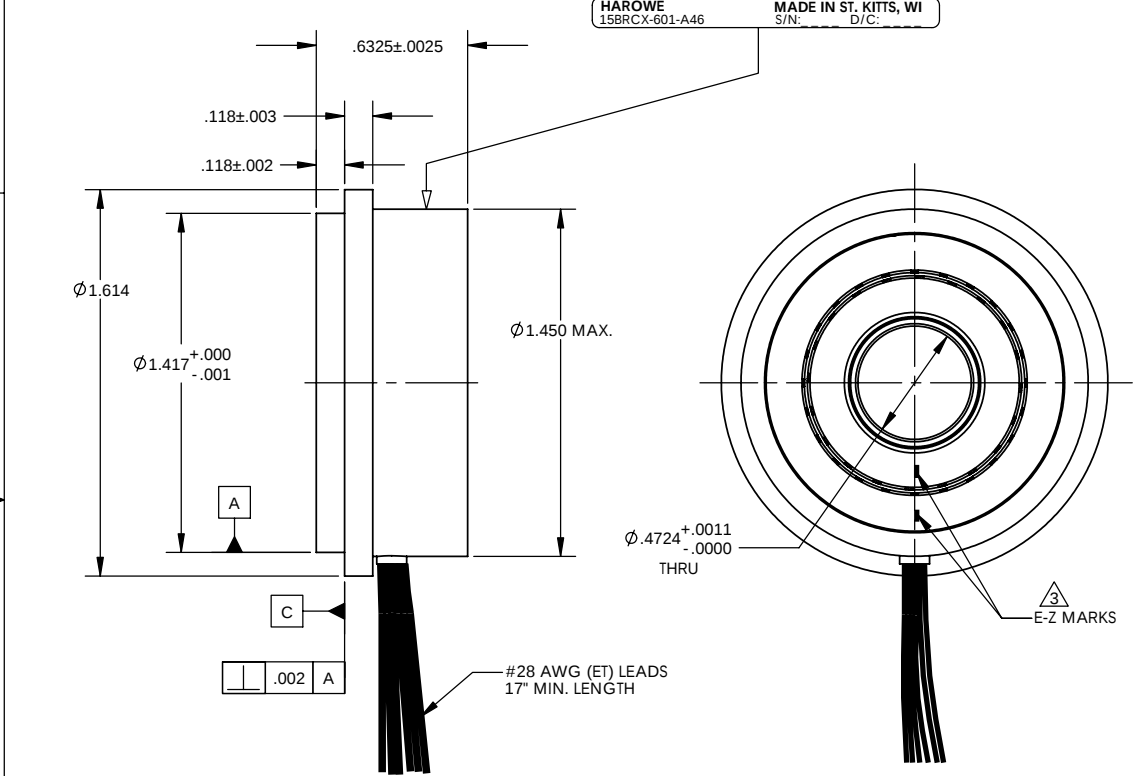


PART NUMBER	NEXT ASSY	MODEL NUMBER
15BRCX-601-A46	INSTALLATION	15BRCX-601-A46

REVISIONS				
REV	ECO	DESCRIPTION	DATE	BY CHECKED
-	-	NEW DRAWING	5/25/04	DDK DRW

- NOTES:
- ROTOR FACE AND PLANE 'C' OF HOUSING TO BE AXIALLY ALIGNED WITHIN .118 ± .010
 - CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.
 - ROTOR AND STATOR E-Z MARKS TO BE IN LINE WITH LEAD EXIT AS SHOWN ON STATOR END.
 - MATERIAL: HOUSING - ALUMINUM
ROTOR - PLATED 12L14

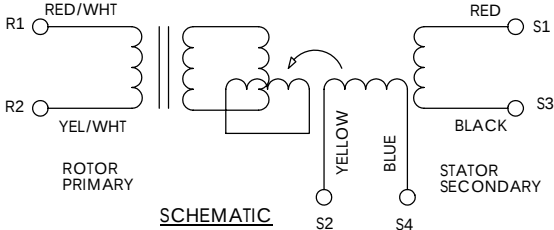
ELECTRICAL & MECHANICAL DATA AT 25°C		
VALUES ARE NOMINAL UNLESS OTHERWISE TOLERANCED		
HIPOT TESTING PERFORMED AT 60HZ, 4 SECOND DURATION		
ELEC CYC / MECH CYC	deg/deg	1
EXCITATION FREQUENCY	±5% kHz	7.5
INPUT VOLTAGE	±10% Vrms	10
INPUT CURRENT	Max. mA	50
INPUT POWER	Watts	.42
IMPEDANCE ZRO	Ohms	242
IMPEDANCE ZRS	Ohms	220
IMPEDANCE ZSO	Ohms	705
IMPEDANCE ZSS	Ohms	645
TRANSFORMATION RATIO	±10%	0.5
DC RESISTANCE (R1-R2)	±15% Ohms	43
DC RESISTANCE (S1-S3, S2-S4)	±15% Ohms	167
PK-PK ERROR	Max. arcminutes	25 spread ±25
VELOCITY RIPPLE ERROR	%	-
PHASE SHIFT, OPEN CIRCUIT	degrees	-1
NULL VOLTAGE	Max. mVrms	30
HIPOT, LEADS TO CASE, 500VAC	Max. mA	2
HIPOT, INTERPHASE, 250VAC	Max. mA	2
TEMPERATURE RANGE	°C	-55 TO 155
ROTOR MOMENT OF INERTIA	GM-CM-SEC ²	.0141
WEIGHT	oz	3.0



PHASING EQUATION

FOR CCW ROTATION OF ROTOR FACING
TRANSFORMER MOUNTING FLANGE END

$$E (S1-S3) = KE (R1-R2) \cos \phi$$

$$E (S2-S4) = KE (R1-R2) \sin \phi$$


 THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIAMETERS CONCENTRIC .003 TIR FACES PERPENDICULAR - .003 INTERPRETATION PER ASME Y14.5M-1994			REMOVE ALL BURRS AND BREAK SHARP EDGES - .005 R ALL INSIDE CORNERS TO BE .015 R MAX UNLESS OTHERWISE SPECIFIED											
	FRACTIONS ±1/64 DECIMALS .00 ±.01 ANGLES ±30'			APPROVALS DATE DRAWN DDK 5/25/04 CHECKED DDK 6/25/04 DES ENG DDK 6/25/04 MFG ENG QUAL ENG											
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF HARWEE. ANY REPRODUCTION IN PART OR ANY REUSE IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF HARWEE IS PROHIBITED.								OUTLINE & PERFORMANCE SPECIFICATIONS RESOLVER BRUSHLESS 15BRCX-601-A46							
HEAT TREAT				SIZE DWG. NO. B				SCALE 2:1 SHEET 1 OF 2 CODE IDENT: 58655							
FINISH															

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[API Delevan:](#)

[15BRCX-601-A46](#)