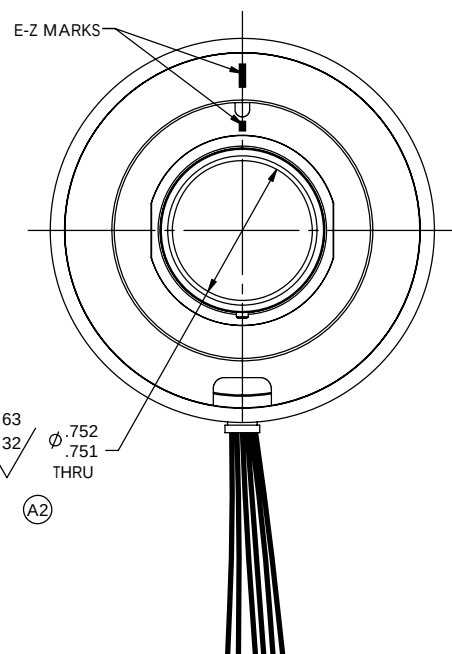


MODEL NUMBER
21BRCX-500-H75

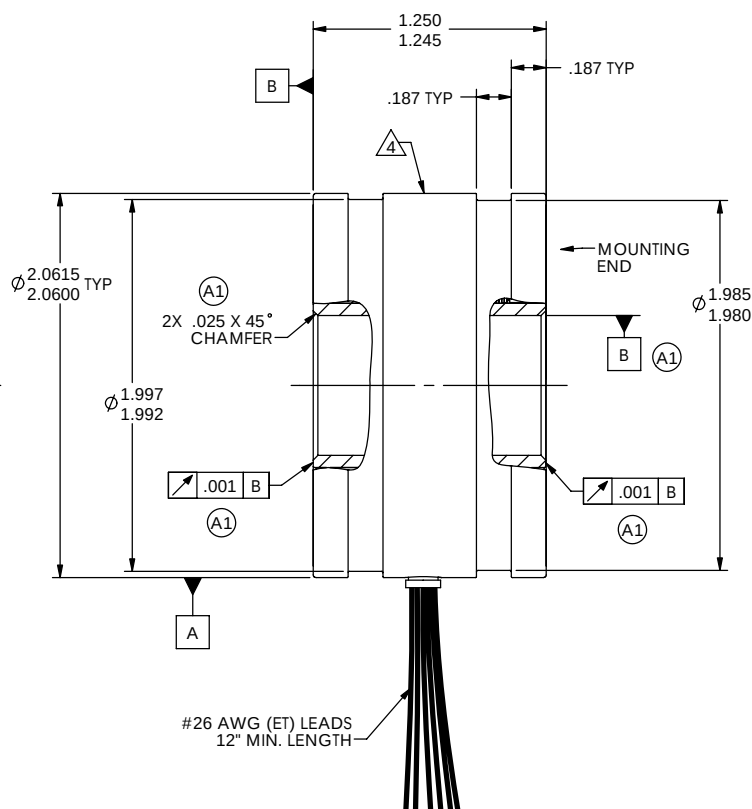
REV		ECO		DESCRIPTION		DATE	BY	CHECKED
-	-	-		NEW DRAWING		10/5/05	DDK	DRW
A	D7487	-		SEE ECO		6/13/2006	DDK	DRW



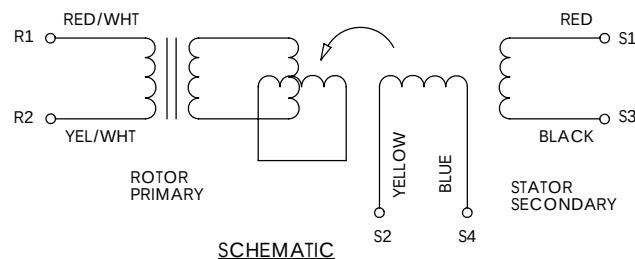
PHASING EQUATION

INCREASING ANGLE FOR
CCW ROTATION AS VIEWED
FROM MOUNTING END

$$\begin{aligned} E(S1-S3) &= KE(R1-R2) \cos \phi \\ E(S2-S4) &= KE(R1-R2) \sin \phi \end{aligned}$$



#26 AWG (ET) LEADS
12" MIN. LENGTH



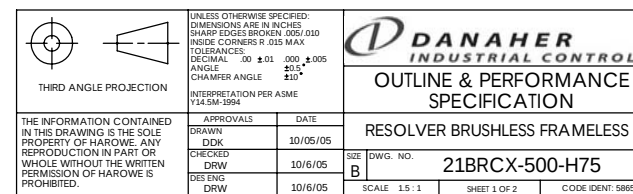
NOTES:

1. MATCHED SET - DO NOT ISSUE SEPARATELY.
2. ROTOR AND STATOR TO BE AXIALLY ALIGNED WITH DATUM 'B' $\pm .025$
3. CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.

4 INFORMATION ELECTRO-ETCHED ON INDICATED SURFACE AS FOLLOWS:

RESOLVER INPUT 4V, 5KHZ OUTPUT 2V
MOOG PN CA29731-001 HAROWE PN 21BRCX-500-H75
CAGE CODE 58655 DC SN

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	5
INPUT VOLTAGE	±5% Vrms	4.0
INPUT CURRENT	Max. mArms	25
INPUT POWER	Watts	.04
IMPEDANCE ZRO	Ohms	105 +J180
IMPEDANCE ZRS	Ohms	85 +J155
IMPEDANCE ZSO	Ohms	150 +J280
IMPEDANCE ZSS	Ohms	120 +J245
TRANSFORMATION RATIO	±10%	0.5
DC RESISTANCE (R1-R2)	±15% Ohms	31
DC RESISTANCE (S1-S3, S2-S4)	±15% Ohms	31
POSITION ERROR	Max. arcminutes	±7
PK-PK VELOCITY ERROR	Max. %	-
PHASE SHIFT, OPEN CIRCUIT	degrees	-6.0
NULL VOLTAGE	Max. mVrms	25
HIPOT, LEADS TO CASE, 500VAC	Max. mArms	2
HIPOT, INTERPHASE, 250VAC	Max. mArms	2
TEMPERATURE RANGE	°C	-55 TO 155
WEIGHT	g	242



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