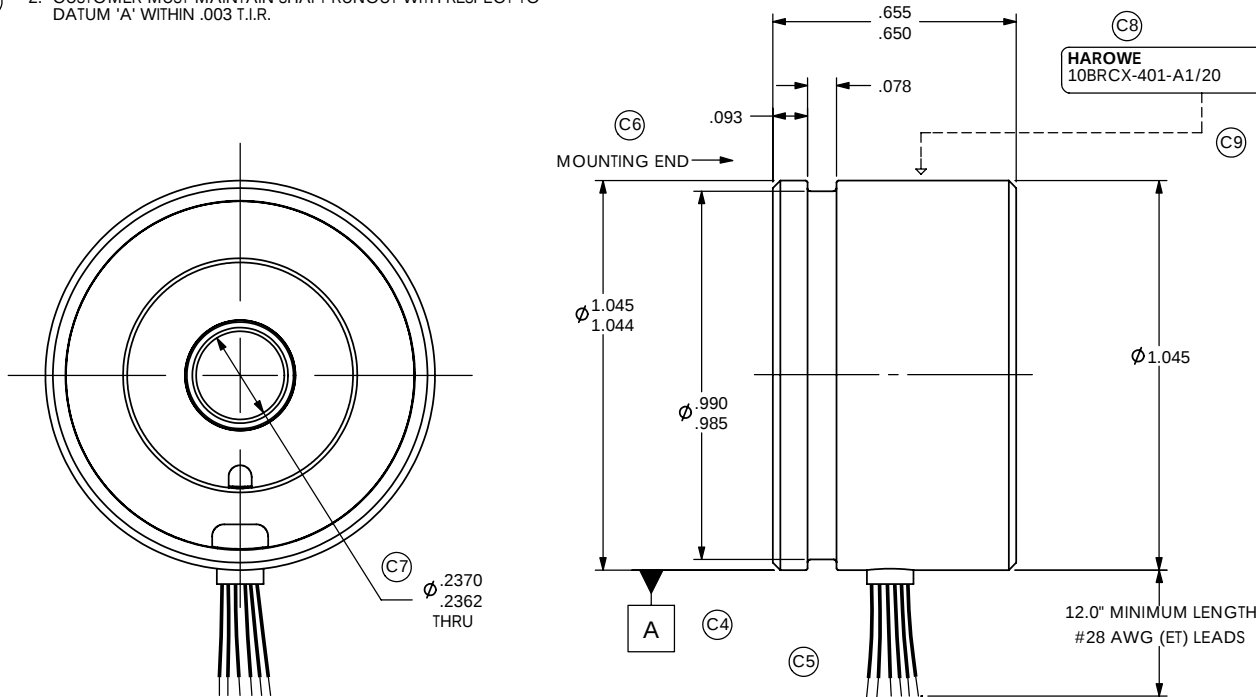


PART NUMBER	NEXT ASSY	MODEL NUMBER
10BRCX-401-A1/20	INSTALLATION	10BRCX-401-A1/20

REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	CHECKED
A	26371	NEW DRAWING	4/06		RKT
B	D5855	SEE ECO	4/02	DDX	RKT
C	D6745	SEE ECO	1/10/05	DDX	DRW

- NOTES:
- (C2) 1. ROTOR AND STATOR TO BE MOUNTED AXIALLY FLUSH $\pm .010$.
- (C3) 2. CUSTOMER MUST MAINTAIN SHAFT RUNOUT WITH RESPECT TO DATUM 'A' WITHIN .003 T.I.R.



(C1) ELECTRICAL & MECHANICAL DATA AT 25°C

VALUES ARE REFERENCE UNLESS OTHERWISE TOLERANCED

HIPOT TESTING PERFORMED AT 60HZ, 4 SECOND DURATION

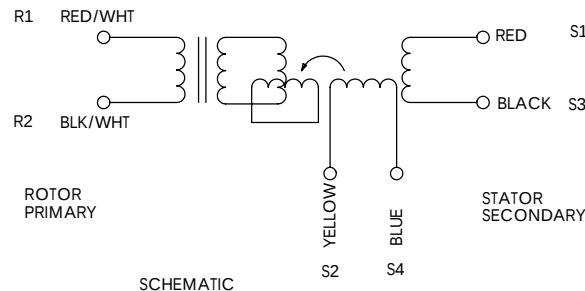
ELEC CYC / MECH CYC	deg/deg	1
EXCITATION FREQUENCY	$\pm 5\%$ kHz	10
INPUT VOLTAGE	$\pm 10\%$ Vrms	7.0
INPUT CURRENT	Max. mA rms	50
INPUT POWER	Watts	.14
IMPEDANCE ZRO	Ohms	184
IMPEDANCE ZRS	Ohms	163
IMPEDANCE ZSO	Ohms	493
IMPEDANCE ZSS	Ohms	439
TRANSFORMATION RATIO	$\pm 10\%$	0.5
DC RESISTANCE (R1-R2)	$\pm 15\%$ Ohms	34
DC RESISTANCE (S1-S3, S2-S4)	$\pm 15\%$ Ohms	74
ERROR	Max. arcminutes	± 20
PK-PK ERROR	Max. arcminutes	-
PK-PK VELOCITY RIPPLE ERROR	Max. %	-
PHASE SHIFT, OPEN CIRCUIT	degrees	-5
NULL VOLTAGE	Max. mV rms	20
HIPOT, LEADS TO CASE, 500VAC	Max. mA rms	2
HIPOT, INTERPHASE, 250VAC	Max. mA rms	2
TEMPERATURE RANGE	°C	-55 TO 155
ROTOR MOMENT OF INERTIA	lb-in-sec ²	3.1×10^{-5}
WEIGHT	oz	1.3
CONTINUOUS SPEED	Max. kRPM	20

(C6) PHASING EQUATION

INCREASING ANGLE FOR CCW ROTATION AS VIEWED FROM MOUNTING 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/.010 ALL INSIDE CORNERS TO BE .015 R MAX UNLESS OTHERWISE SPECIFIED			
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.		BY MACHINE SURFACES FRACTIONS $\pm 1/64$ DECIMALS $\pm .01$ ANGLES $\pm 30'$ 0.000 $\pm .005$		APPROVALS DATE		OUTLINE & PERFORMANCE SPECIFICATION	
		HEAT TREAT -		DRAWN DH 04/00		CHECKED DCH 04/13/00	
		FINISH -		DESIGN RKT 04/13/00		RESOLVER BRUSHLESS FRAMELESS	
				MFG ENG -		SIZE DWG. NO. B 10BRCX-401-A1/20	
		QUAL ENG -		SCALE 3 : 1		SHEET 1 OF 2 CODE IDENT: 58655	

Mouser Electronics

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