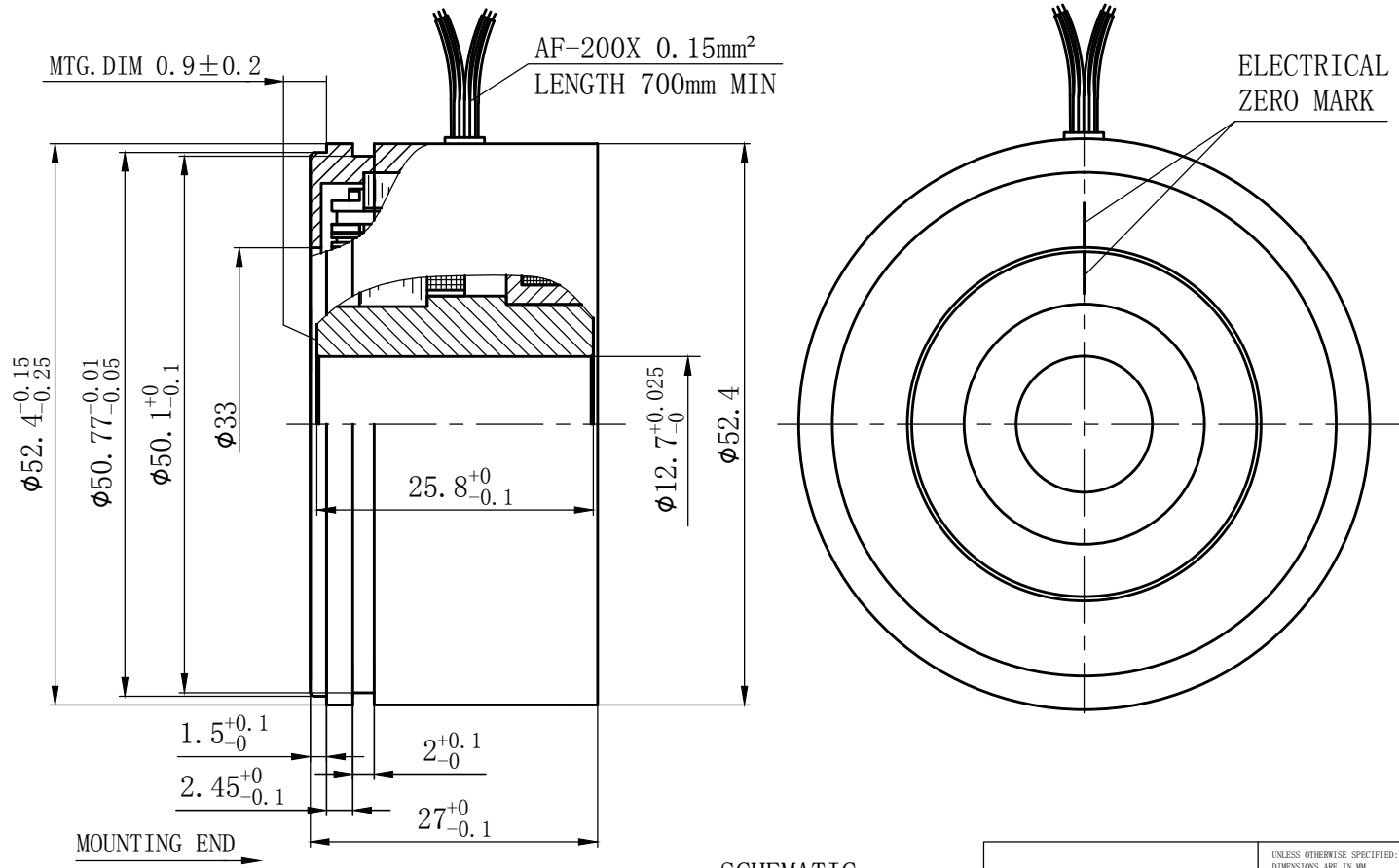


NOTES:

1. MATCHED SET - DO NOT ISSUE SEPARATELY
2. ROTOR AND STATOR TO BE AXIALLY ALIGNED WITHIN 0.2mm, RADIAL ALIGNED WITHIN 0.05mm.
3. MATERIAL: HOUSING - ALUMINUM ROTOR SLEEVE - STAINLESS STEEL 304.



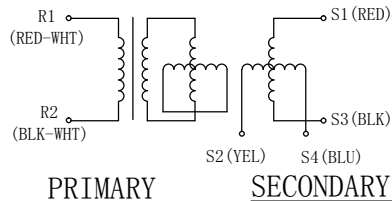
PHASING EQUATION

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

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

INCREASING ANGLE FOR CCW ROTATION OF ROTOR FACING MOUNTING END.

SCHEMATIC



PRIMARY

SECONDARY

ELECTRICAL DATA AT 20-30°C		10000 Hz
Input Voltage Volts		7 Vrms
Input Current Max mA		70
Input Power Nom Watts		0.25
Impedance ZSD Ohms	±15%	102+ j282
Impedance ZSS Ohms	±15%	99+ j272
Impedance ZRD Ohms	±15%	72+ j96
Impedance ZRS Ohms	±15%	66+ j88
Transformation Ratio ±10%		0.5
Output Voltage Volts	±10%	3.5
DC Rotor Resistance ±15% Ohms		40
DC Stator Resistance ±15% Ohms		46
Max Error From E-Z DEGREES		±10
Accuracy Arc-Min		≤±10
Phase Shift (Open Circuit) Nom DEGREES		0 ±3
Null Voltage Max mV		20
Hipot To Case 50Hz VRMS	1MIN	500
Hipot Between Phases 50Hz VRMS	1MIN	250
INSULATION RESISTANCE DC500V MDhms		250

MECHANICAL DATA	
Temperature Range °C	-55 TO +155
Weight kg.	0.22
Continuous Speed MAX. KRPM	20

<p>THIRD ANGLE PROJECTION</p>	<p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM SHARP EDGES BROKEN .005/.010 INCH INSIDE CORNERS R .015 INCH MAX TOLERANCES: DECIMAL .00±.01 INCH .000±.005 INCH ANGLE ±0.5° CHAMFER ANGLE ±10° INTERPRETATION PER ASME Y14.5M-1994</p>		<h1>HAROWE</h1>	
	<p>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</p>		<h2>OUTLINE & PERFORMANCE SPECIFICATION</h2>	
<p>APPROVALS</p> <p>DRAWN Devin. Yue</p> <p>CHECKED Kent. Song</p> <p>DES ENG Steven. Bao</p>	<p>DATE</p> <p>July 25, 2019</p> <p>July 25, 2019</p> <p>July 25, 2019</p>	<h3>RESOLVER BRUSHLESS FRAMELESS</h3>		
		<p>SIZE DWG. NO.</p> <p>21BRX705-Z42AB-Z</p>	<p>SCALE 2:1</p>	<p>SHEET 1 OF 1</p>
		<p>CODE IDENT:</p>		