

FA-SOLVER®

ブラシレス レゾルバ 仕様書
BRUSHLESS RESOLVER SPECIFICATION

形式 MODEL	TS 2054 N 31 E 51	適用書類 DOCUMENT	外形図 OUTLINE	020540003F30
	1X-BRX		銘板 NAME PLATE	F3-31639 615001268B40 N5972

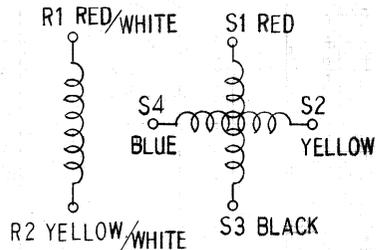
項目 REQUIREMENT	仕様 VALUE	備考 NOTE
電源 POWER SOURCE	6 V 10 KHz	
巻線構成 WINDING CONFIGURATION	1 PHASE / 2 PHASES	励磁側 PRIMARY ROTOR
出力電圧方程式及び軸倍角 OUTPUT EQUATION AND NUMBER OF MULTIPLE	$E_{S1-S3} = K E_{R1-R2} \cos \theta$ $E_{S2-S4} = K E_{R1-R2} \sin \theta$ + θ : ROTOR IS CCW ROTATION VIEWED FROM CASE-FLANGE	1 X
変圧比〔K〕 TRANSFORMATION RATIO	0.28 ± 0.05	
位相誤差 PHASE ANGLE ERROR	幅 SPREAD ——— MINUTES MAX	AT KHz
電気誤差 ELECTRICAL ERROR	± 10 MINUTES MAX	
残留電圧 RESIDUAL VOLTAGE	————— mV MAX	
位相ずれ PHASE SHIFT	△ 40 DEGREES NOM	LAG
入力インピーダンス (Z _{Ro}) INPUT IMPEDANCE	△ 300 Ω MIN	
出力インピーダンス (Z _{ss}) OUTPUT IMPEDANCE	△ 200 Ω NOM	
絶縁耐圧 DIELECTRIC STRENGTH	AC 500 V 1 MINUTE	60(50)Hz
絶縁抵抗 INSULATION RESISTANCE	10 MΩ MIN	DC 500 V
質量 WEIGHT	2.0 Kg MAX.	ROTOR 0.76 Kg STATOR 0.84 Kg NOM [△]
ロータ慣性性能率 ROTOR MOMENT OF INERTIA	40 Kgf-cm ² REF	(GD ² /4)
許容回転数 MAX OPERATING SPEED	△ 10,000 6,000 min ⁻¹ RPM	
動作温度範囲 OPERATING TEMP. RANGE	-30℃ ~ +100℃	
表面処理 FINISH	GRAY LACQUER COATING	

① 10.28.88 ② 4.23.92 ③ . . . ④ . . . ⑤ . . . ED'N NO. . . .

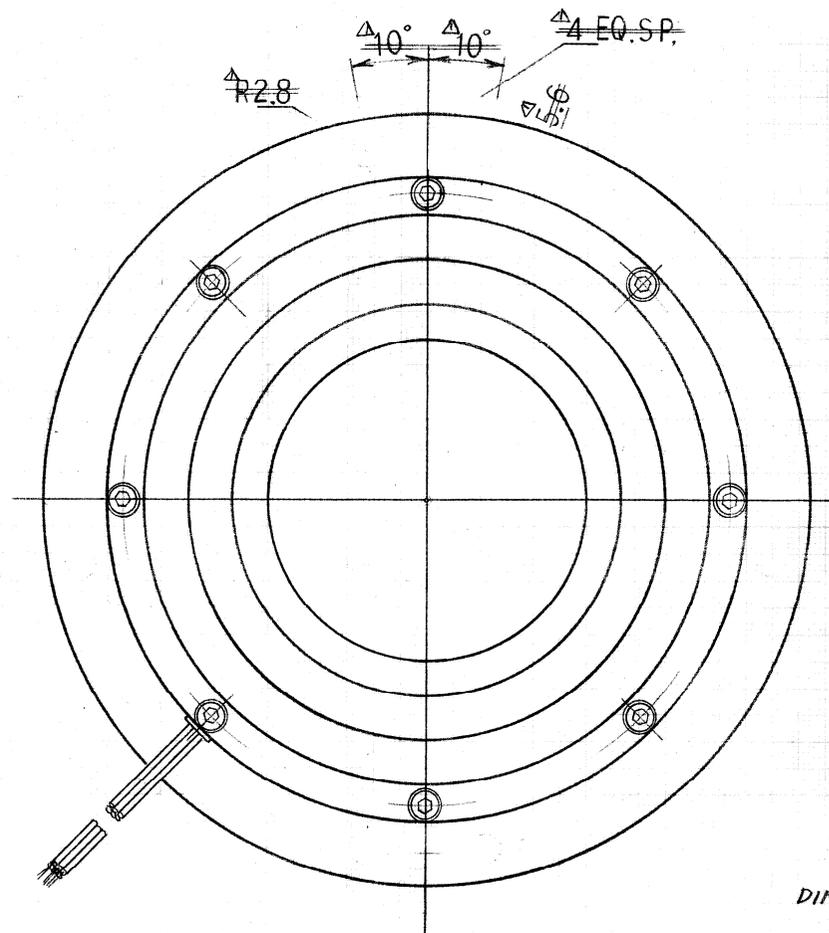
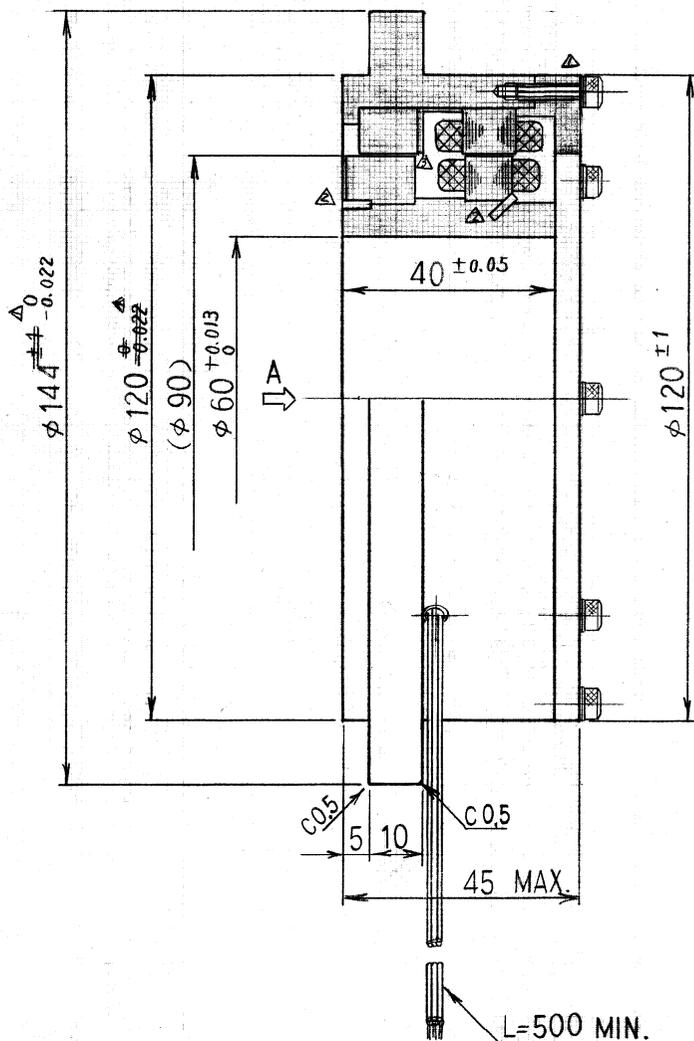
DS'D Y. Karasawa	DATE 4.18.'88	MODEL NO. TS 2054 N 31 E 51	TITLE ブラシレス レゾルバ 仕様書 BRUSHLESS RESOLVER SPECIFICATION
CH'D Y. FUKUZAWA	DWG NO.	3 4 5 6 7 8 9 10 11 12 SHEET	
APP'D / d. M...	0 2 0 5 4 0 0 0 3 S 4 0		

-210 7.50/K

WIRING DIAGRAM



REVISIONS			
No.	DESCRIPTION	DATE	SIGN
①	CUSTOMER'S REQUEST	5.12.88	[Signature]
②	ADDED PINS	4.23.92	[Signature]
③	MODIFIED PARTS	95.6.7	[Signature]



DIMENSION : MM

F3-31639

ITEM NO.	PART NO.	PART NAME	QTY	MATERIAL	SPEC							
LIST OF MATERIAL												
DSD	DATE	MODEL NO.	TITLE									
	4.19.88	TS2054N30 SERIES	BRUSHLESS RESOLVER OUTLINE									
CHD	SCALE	3RD ANGLE PROJECTION										
	1/1											
APP'D	DWG. NO.	3	4	5	6	7	8	9	10	11	12	SHEET
[Signature]	020540003											F30 /

指定な尺寸公差は±0.5%とする
UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±0.5%