

| A                                      |                | B                       |                  | C             |  | D         |             |
|----------------------------------------|----------------|-------------------------|------------------|---------------|--|-----------|-------------|
| 項目<br>CHARACTERISTICS                  |                | 仕様<br>SPECIFICATIONS    |                  | 備考<br>REMARKS |  | REVISIONS |             |
| 機能<br>FUNCTION                         |                | 1X-BRX                  |                  |               |  | No.       | DESCRIPTION |
| 入力電圧<br>INPUT VOLTAGE                  |                | AC 7 Vrms 3 kHz         |                  |               |  | 第2版       | 形状明確化       |
| 励磁側<br>PRIMARY                         |                | ロータ<br>RÖTÖR            |                  |               |  | DATE      | SIGN        |
| 変圧比 (K)<br>TRANSFORMATION RATIO        |                | 0.5 ± 10%               |                  |               |  | 95.10.12  |             |
| 電気誤差<br>ELECTRICAL ERROR               |                | ±15' MAX                |                  |               |  |           |             |
| 残留電圧 (総合値)<br>RESIDUAL VOLTAGE (TOTAL) |                | 15 mVrms MAX            |                  |               |  |           |             |
| 位相ずれ<br>PHASE SHIFT                    |                | +9.5° NÖM               |                  |               |  |           |             |
| 入力電流<br>INPUT CURRENT                  |                | 4.7 mA NÖM              |                  |               |  |           |             |
| 入力電力<br>INPUT POWER                    |                | 0.02 W REF              |                  |               |  |           |             |
| 入力インピーダンス<br>INPUT IMPEDANCE           |                | ZRÖ                     | 860+j1.230 Ω NÖM |               |  |           |             |
| 出力インピーダンス<br>OUTPUT IMPEDANCE          |                | ZSÖ                     | —                |               |  |           |             |
| 直流抵抗<br>D.C. RESISTANCE                | ロータ<br>RÖTÖR   | 160 Ω REF               | AT 25°C          |               |  |           |             |
|                                        | ステータ<br>STATÖR | 90 Ω REF                | AT 25°C          |               |  |           |             |
| 耐電圧<br>DIELECTRIC STRENGTH             |                | AC 250V 1 min           |                  | 60(50) Hz     |  |           |             |
| 絶縁抵抗<br>INSULATION RESISTANCE          |                | 50 MΩ MIN               |                  | DC 500 V      |  |           |             |
| 質量<br>WEIGHT                           |                | 0.045 kg NÖM            |                  |               |  |           |             |
| 動作温度範囲<br>OPERATING TEMP. RANGE        |                | -55°C ~ +125°C          |                  |               |  |           |             |
| 許容回転数<br>MAX OPERATING SPEED           |                | 6.000 min <sup>-1</sup> |                  |               |  |           |             |

NÖTE:

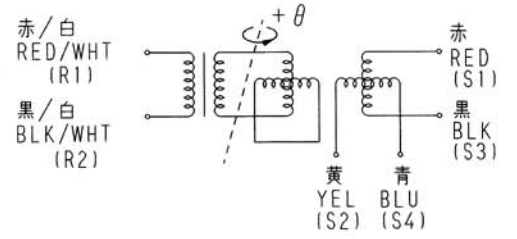
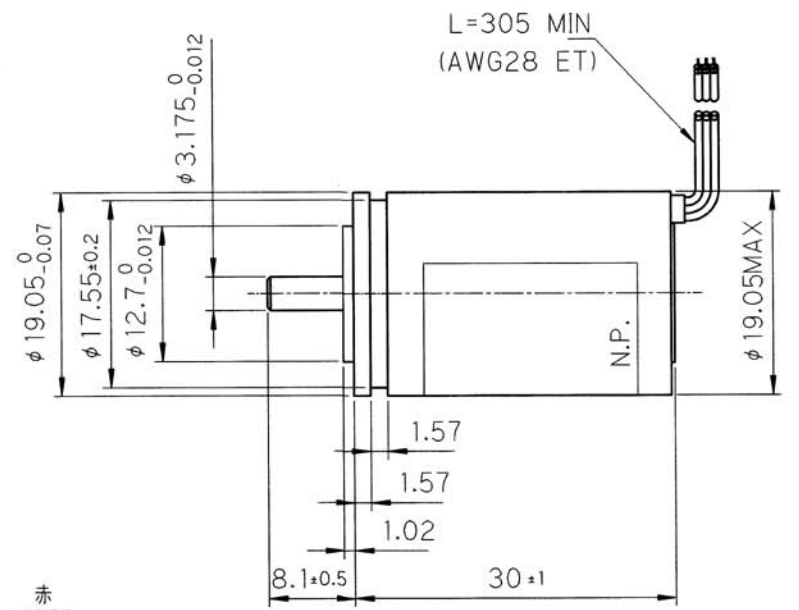
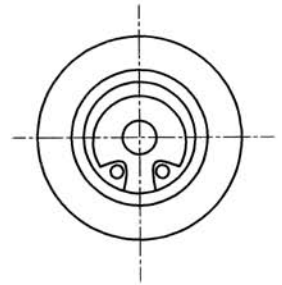
1. 指定なき寸法公差は、±0.1mmとする。  
UNLESS OTHERWISE SPECIFIED, TÖLERANCE IS ±0.1mm.

2. 出力電圧方程式  
OUTPUT EQUATION

$E_{S1-S3} = K E_{R1-R2} \cos \theta$   
 $E_{S2-S4} = K E_{R1-R2} \sin \theta$

+θ: 軸端側から見てロータCCW回転時。  
RÖTÖR IS CCW RÖTATION VIEWED FRÖM SHAFT EXTENSION END.

FA—SOLVER® MODEL NO: TS510N35E18



励磁側 PRIMARY 出力側 SECONDARY 配線図 SCHEMATIC DIAGRAM



|                                 |                    |                          |   |   |   |   |                                          |   |    |    |    |       |  |  |
|---------------------------------|--------------------|--------------------------|---|---|---|---|------------------------------------------|---|----|----|----|-------|--|--|
| DSD<br>T. Sakihara<br>S. Sakita | DATE<br>11. 6. '91 | MODEL NO.<br>TS510N35E18 |   |   |   |   | TITLE<br>ブラシレスレゾルバ<br>BRUSHLESS RESÖLVER |   |    |    |    |       |  |  |
|                                 | SCALE<br>2/1       | 3RD ANGLE PROJECTION     |   |   |   |   |                                          |   |    |    |    |       |  |  |
| CHD<br>K. Kikugawa              | DWG NO.            | 3                        | 4 | 5 | 6 | 7 | 8                                        | 9 | 10 | 11 | 12 | SHEET |  |  |
| APP'D<br>S. Sakita              |                    | 0                        | 0 | 5 | 1 | 0 | 0                                        | 0 | 0  | 8  | S  | 30 /  |  |  |

MFG No. 005100008K40