

Built-in Resolver

Built-in Type, Brushless Resolver
TS2605N5891E64 | Size 08

Description

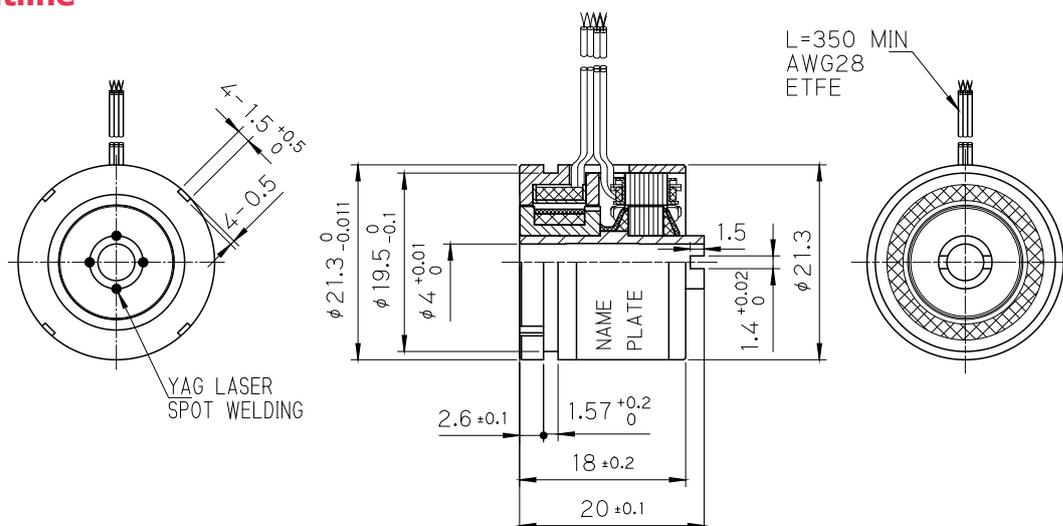
TAMAGAWA Built-in Resolver is a brushless frameless resolver and integrated into servo motor, direct drive and others. This type of resolver has been used for motor feedback sensor for long years. Stator and rotor winding are made by automatic winding machine for stable quality and large number of production. Number of pole pair is normally from 1X (1 number of pole pair) to 5X. Standard size is from 08, 10, 15 and 21. Tamagawa has experience of smaller size 06 and larger size 34 too.

Features

- Wide Temperature Range, Vibration & Shock Resistance
- Brushless configuration enables High Reliability & Maintenance-Free
- Decades of experiences in the field of Aircraft application
- Small size & Lightweight
- Custom designs available
- Low Cost
- Additional slits of rotor shaft enables easy fixation
- Rotor shaft is additionally fixed with YAG laser welding



Outline



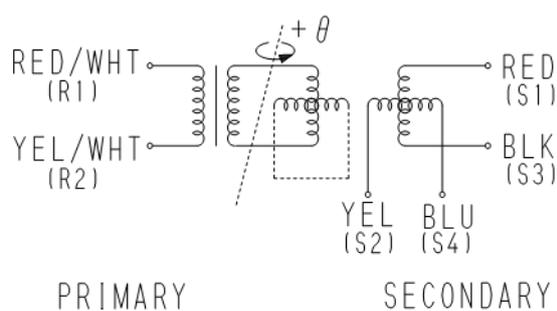
*Dimensions are in mm

Specifications

Function	1X-BRX, Size 08
Input Voltage	2.2 Vrms, 10000 Hz
Transformation Ratio	0.5 ± 5 %
Electrical Error	±10 minutes MAX
Input Current	33 mA NOM
Dielectric Strength	AC 600 Vrms, 60 s
Insulation Resistance	100 MΩ MIN, DC 500V
Mass	30 g NOM
Temperature Range	-55 °C to +100 °C
MAX Operating Speed	6,000 min ⁻¹ (rpm)

Schematic

Wiring Diagram



Production

- Automatic Winding
- Automatic Test Equipment



Options – Locking Washers for shaft fixation

