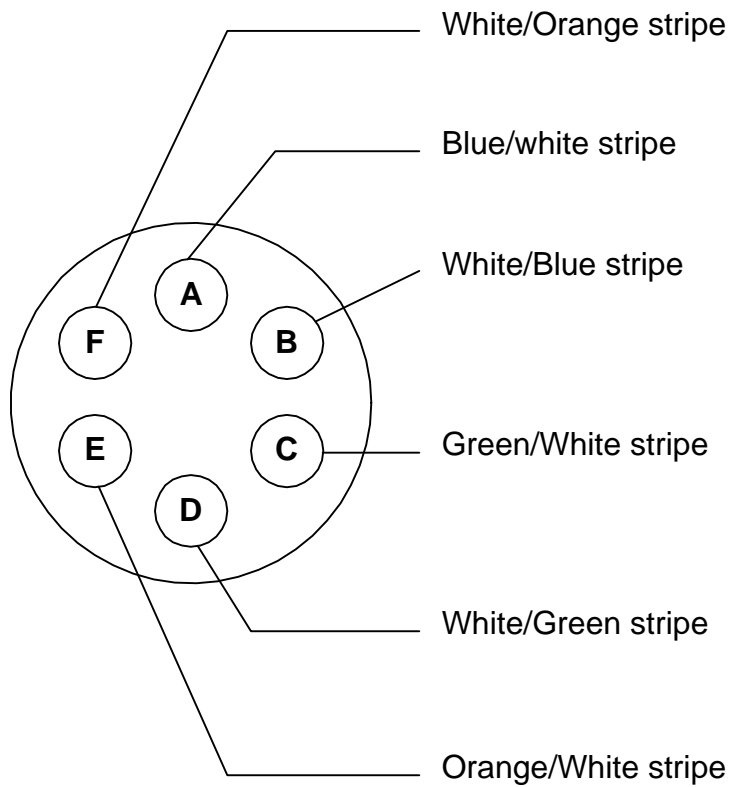


Industrial Electronic Controls

2401 Hookstown Grade Rd, Clinton PA 15026 ·PH 412-262-5581 ·FX 412-264-9272

HD13 Resolver cable connector



Model HD13 Industrial Resolver

Mechanical and Electrical Specifications

| | |
|------------------------------|------------------------------------|
| • Max Speed | 8,000 RPM |
| • Shaft Size | 5/8" x 1 3/4" (<i>keyed</i>) |
| • Max Radial load | 400 Lbs. |
| • Max Axial load | 40 Lbs. |
| • Housing | NEMA 13 (2 5/8" x 2 3/4" x 2 3/4") |
| • Input Voltage: | 2 - 10 Volts RMS |
| • Input Frequency: | 2.5 - 10 kHz |
| • Transformation Ratio (TR): | 0.9 |
| • Power at 4Volts/5000Hz: | 40mW |
| • Connector (Female) | MS type circular |
| • Accuracy | ± 7 arc minutes |

Six conductor shielded cable (required)

Reference:

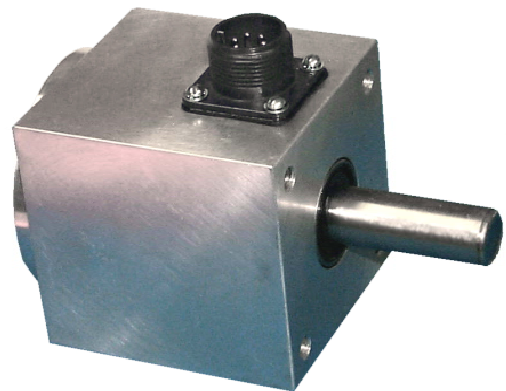
R1 Blue/white stripe
R2 White/blue stripe

Sine:

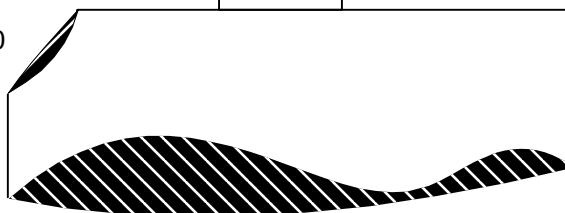
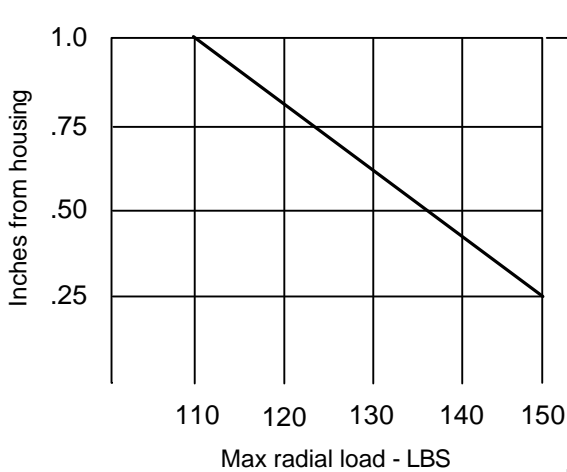
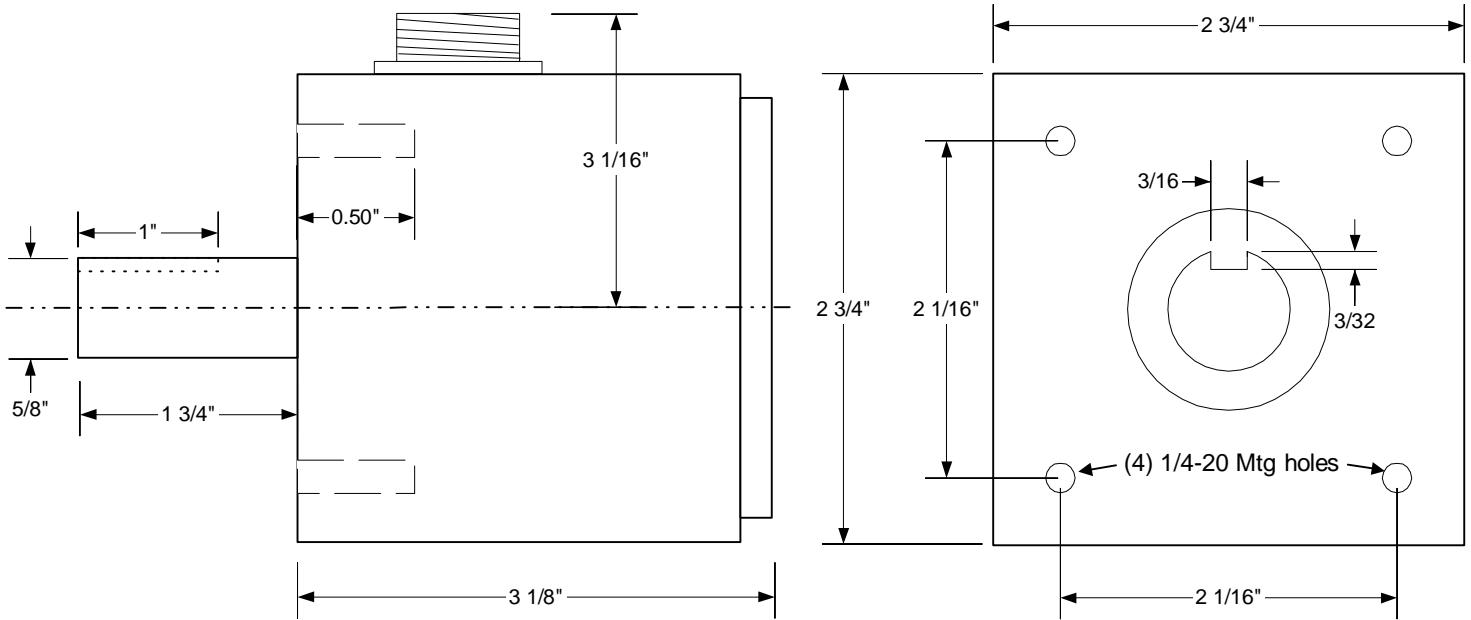
S2 Orange/white stripe
S4 White/orange stripe

Cosine:

S1 Green/White stripe
S3 White/Green stripe



Resolver Model HD13



SPECIFICATIONS

- Max voltage input: 10V p-p
- 25mA @ 5kHz, 4V p-p ref.
- Frequency: 2-7 kHz
- Error +/- 7 Arc minutes
- Transformation ratio: .9 +/- 10%
- Resolver Meets MIL SPEC S20708 and S81963
- Max RPM = 10,000
- Requires 6 conductors: R1, R2, S1, S2, S3, S4
- NEMA 4X
- Bearing: double row heavy duty
- Axial load: 400 lbs.