Single Speed Brushless Resolver

SSC P/N 8614.0001

The Satellite Systems line of Antenna control systems uses a single speed brushless resolver for accurate position feedback of the antenna.

Specifications

- Frequency: 5 kHz
- Input Voltage: 7.0 V rms
- Input Current: 10.9 ma maximum
- Rotational Accuracy: ±3 arc minutes
- Transformation Ratio: 0.95:1
- Type: Control Transmitter

Mechanical

- Shaft size: 0.120" diameter x 0.500" length
- Shaft loading:
  - Radial: 2 lbs. maximum
  - Axial: 1 lb. maximum
- Bearing life: 2 Billion revolutions minimum at maximum shaft load
- Starting torque: 0.08 oz. in @25° C
- Moment of inertia: 0.51 x 10^-4 oz-in-sec^2
- Weight (not including mounting hardware): 0.25 Lbs
- Overall size (not including mounting hardware and cover): 1.1" dia, 1.6" length

Environmental

- Operating temperature: -20° C to +125° C
- Shock: 50 G's for 11 mSec
- Vibration: 15 g's to 2,000 Hz