



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 Vrms
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	0.51×10^{-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



