



Spiral Antenna Datasheet



Maritime



Aerospace



Ground

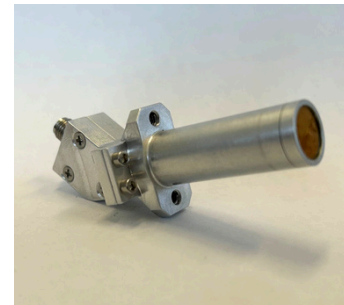


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.5" Cavity Backed Archimedean Spiral Antennas

Parker Meggitt spiral antennas provide excellent broad spectrum coverage, field-of-view and pattern performance for EW and ECM applications. Bandwidths exceeding 9:1 with suitable gain performance are offered in both RHCP and LHCP configurations. These antennas typically exhibit low VSWR performance across the band of operation. Low axial ratio and excellent amplitude and phase variation from unit to unit make them well suited for DF and interferometer applications. These antennas are designed for aerospace environments and are compliant with RTCA-DO-160G and MIL-STD-810.



Key Features and Specifications:

Extremely Broadband	Typical VSWR 1.7:1
Broad Field-of-View	

Frequency Range	18 - 50 GHz
Gain (dBiC)	-1 to 4
VSWR (Max)	2.2:1
Axial Ratio (dB Max)	Typical 1-2 dB
Polarization	RHCP or LHCP
HPBW (Degrees)	50 to 90
Connector	2.92mm Female
Size (Inches)	.500 Dia. x 1.5 Dp.
Weight (oz.)	1.7
Temperature (°C)	-55 to +85