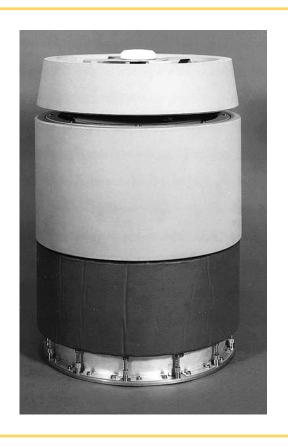
ESM



DF 360 SERIES ANTENNA

Full 360° spacial azimuth coverage is provided with a single antenna assembly. The DF 360 series provides a very high degree AOA accuracy with a minimum of three receiver channels. Receiver front end electronics; Preamplification, filtering, and limiting, are provided for interface to a receiver.

The DF 360-1 provides the necessary RF and control hardware to perform calibration and built-in-test (BIT).

The design provides for mounting an optional GPS antenna on the top of the subassembly.

A Radome can be provided based on specific application requirements.

SD	EC	ITI	$C \Lambda$	TT	\cap	VIC
\sim 1	LiU.	11.1	\smile_{L}	111	VI	\sim

	Frequency Range	2.0 – 6.0 GHz (Mid Bd)		
ELECTRICAL		6.0 – 18.0 GHz (Hi Bd)		
	VSWR	2.0:1		
	Antenna Gain	-1 dB at center of band		
	Impedance	50 Ohms		
	Polarization	Slant 45, Vertical, Horizontal, CP		
	Azimuth Pattern	360°		
	Elevation Pattern	58°, 30°, 22° (6, 12, 18 GHz)		
	AOA Accuracy	1° Calibrated, 2.5° slope Corrected		
	Electronic Gain	22 dB (2 – 6 GHz), 31 dB (6 – 18 GHz)		
	Electronic Noise Figure	4.0 dB (2 -6 GHz), 5.0 dB (6 - 18 GHz)		

_
Ø
\mathcal{C}
4
\triangleleft
H
\Box
Ĕ

Connector	RF: SMA Female, Control/Power
Command Signal	RS 422
DC Power	23.6 Watts (RF Front End), 30.0 Watts (Bit/Cal)
Diameter x Height	12.59" x 17.75" high
Weight	25 lbs
Environmental	-40°C to +55°C (operational), 160g Shock

Specifications subject to change without notice.

An Employee Owned Company

ANTENNA TECHNOLOGIES

DF 360 SERIES ANTENNA

