

BLADE Antenna for Telemetry/MDI application

MT15100-61700

version 1.0

Features

- Low drag & strength package
- Slim size & light weight package
- High shock & temperature environments
- Broad band, Omni-Directional
- Linear Polarization



Description

SmartAnt's has developed and produced many blade antennas.

When mounted and operated in the vicinity of the host platform surface ,these units can provide good angular coverage . The radiating element of the blade has been packaged in a thin aerodynamically shaped package for low drag and strength. Besides , Advance designs can be implemented to support combined antenna/radome programs to meet special conditions of supersonic flight ,high shock and high-temperature environments.

Application

- For high performance aircraft,missile and drones
- For airborne vehicular instrumentation application
- Telemetry application
- Miss-Distance Indicators

Electrical Specification:

Model Number	Frequency Range /MHZ	TEMP Range / c		VSWR	H / mm	Weight / gm	Connector
		Cont.	20 Sec.				
MT15100-L	1450 - 1550	205	450	1.5 :1	43	35	SMA-f
MT18140-L	1710 - 1850	205	450	1.5 :1	38	35	SMA-f
MT23200-S	2200 - 2400	205	450	1.5 :1	35	32	SMA-f
MT33400-S	3100 - 3500	205	450	1.5 :1	27	28	SMA-f
MT391100-S	3400 - 4500	205	450	1.5 :1	25	22	SMA-f
MT48600-C	4500 - 5100	205	450	1.5 :1	24	21	SMA-f
MT57600-C	5400 - 6000	205	450	1.5 :1	24	21	SMA-f
MT61700-C	5800 - 6500	205	450	1.5 :1	23	20	SMA-f

Specifications Subject to Change Without Notice

General Specification:

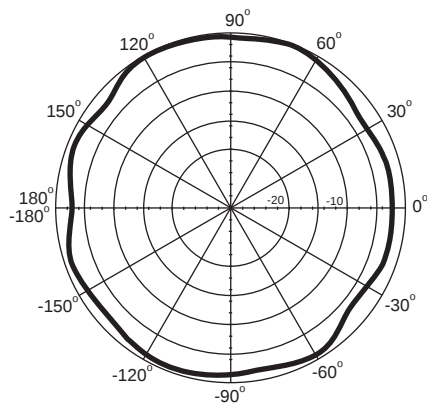
Power Handling: 20 watts avg.

Polarization: Linear type

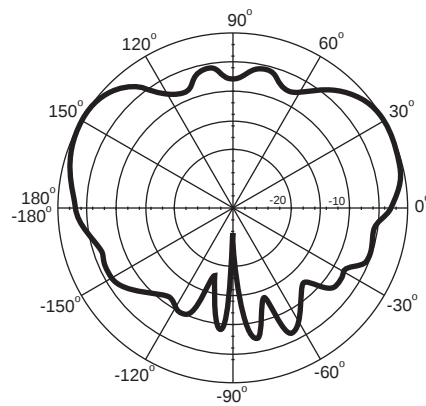
Impedance: 50 Ohms

Connectors: Other connector type available on special request.

Radiation Pattern:



H-Plane



E-Plane

Above pattern test should be mounted on a test fixture as one foot Dia

Dimensions (mm):

