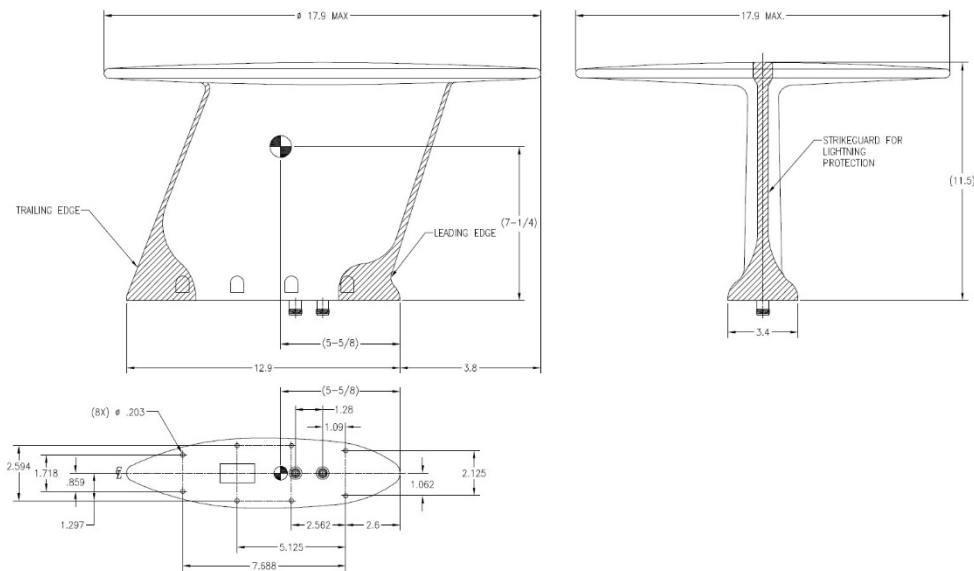


UF10-738

SATCOM High Speed Airborne Antenna System



Excellence in Aerospace since 1943



Specifications

Electrical

Frequency	High angle: 225-400 MHz Low angle: 240-400 MHz
VSWR	High angle: 1.5:1 Low angle: 2.5:1
Polarization	Monopole: Vertical Crossed-dipole: RHCP
Radiation Pattern	Hemispherical
Impedance	50 Ohms
Power	200 Watts CW

Mechanical

Weight	6.2 lbs max
Height	11.5 in (292.1 mm)
Material	Fiberglass / Kevlar
Color	Flat Black
Connector	N – High Angle (Aft) N – Low Angle (Forward)

Environmental

Speed Rating	500 knots
Temperature	-57 °C to +85 °C
Vibration	Random: 7.7 g _{RMS}
Shock	20 g _{pk}
Lightning Protection	StrikeGuard

Federal Specifications

Approvals	None
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UF10-738 SATCOM High Speed Airborne Antenna System

The UF10-738 is a UHF Satellite communications antenna designed to transmit and receive UHF SATCOM signals. The antenna consists of a vertically polarized monopole antenna along with a crossed dipole arrangement that has right hand circular polarization. The antenna provides hemispherical pattern coverage. The UF10-738 is a light weight, high speed unit. The antenna uses DG's Strikeguard Lightning protection which is painted on to insure long life.