



BLA-212/E

V/U Blade Antenna

BLA-212/E antenna is a blade family antenna with aerodynamic shape designed and manufactured for installing on planes with up to 2.2 Mach speed. Mission of this antenna is to provide VHF/UHF communication coverage from air-to-air between planes and or air-to-ground between plane and air traffic control tower. BLA-212/E benefits from necessary strength for flight conditions and it is resisted against corrosion and lightning.

Technical Specifications

Transmitting frequency range.....	118 ~ 174 MHz/225 ~ 400 MHz
Receiving frequency range.....	108 ~ 118 MHz
Impedance.....	50Ω
VSWR (transmitting mode).....	maximum 2.7 to 1
Gain.....	minimum -9dBi/maximum 0dBi
Polarization.....	vertical
Radiation pattern.....	Omni-directional
Maximum input power.....	30W
Protecting against static electricity.....	DC Grounded
Connector type.....	female TNC
Antenna height.....	300mm
Antenna length.....	276mm
Antenna width.....	83mm
Total weight of the antenna.....	1150 ± 30 gr
Speed.....	2.2 Mach
Drag force.....	3.7 pound in 0.85 Mach speed and 35000 feet height
Vibration.....	10 g
Operating temperature.....	-54°C ~ +71°C
Flight height.....	70000 feet
Environmental standard.....	MIL-STD-810F – MIL-E-5400T