

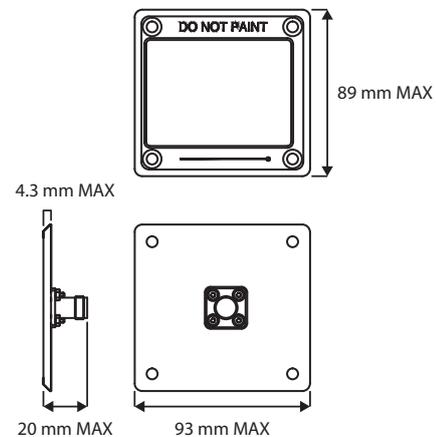
RADALT Patch Antenna

Key features:

- Conformal
- Lightweight
- Isolation 75dB at 20 inch spacing
- Beam width 40 deg (H-plane), 45 deg (E-plane)
- Side Lobe < -40dB

Type 20-21 is a radar altimeter patch antenna (RADALT). The antenna is designed to exhibit the electrical characteristics of ARINC 707 and is a conformal design.

The antenna operates with a broadside linear polarisation coverage in the Radar Altimeter (RADALT) band to allow transmission and reception of microwave signals from two adjacent antennas.



ELECTRICAL

Frequency Range (MHz)	4200 - 4400 MHz
Impedance	50 Ω
VSWR	4200 - 4400 MHz: <2.0:1 (Max) 4275 - 4325 MHz: <1.5:1 (Max)
Gain	+10 dBIL
Polarisation	Vertical
Radiation	Omnidirectional
Power Handling	5W

MECHANICAL

Dimensions (LxWxH)	93 x 89 x 4.3 mm
Weight	0.11 kg
Connector	TNC Type Female
Platform(s)	Air

ENVIRONMENTAL

Environmental	DO-160
Continuous Operating Temperature	- 55°C Min + 70°C Max
Altitude	50000 ft
Vibration	RTCA DO-160C, Section 8, Curve C

