

16-16

CHELTON

Broadband UHF Raked Blade Antenna

Key features:

- Raked for low drag
- Lightweight
- N Type and TNC connector options

The 16-16 is a broadband raked blade antenna designed to provide communications and telemetry in the frequency band 320 MHz to 670 MHz, and intended for use in general subsonic airborne applications.

ELECTRICAL

Frequency Range (MHz)	320-670
Impedance	50 Ω
VSWR	320 MHz to 360 MHz > 6.0 dB (VSWR < 3.0:1) 360 MHz to 380 MHz > 9.5 dB (VSWR < 2.0:1) 380 MHz to 520 MHz > 12.7 dB (VSWR < 1.6:1) 520 MHz to 580 MHz > 9.5 dB (VSWR < 2.0:1) 580 MHz to 670 MHz > 6.0 dB (VSWR < 3.0:1)
Gain	> 0 dBi
Polarisation	Vertical
Radiation	Omnidirectional

MECHANICAL

Dimensions (LxWxH)	183 x 52 x 170 mm
Height Above Base	170 mm
Mass	0.4 kg
Connector	N Female, TNC
Platform(s)	Air

Standards

Continuous Operating Temperature	- 54°C Min + 71°C Max
Altitude	50000 ft
Vibration	MIL-STD-810E, Method 514.4, Proc I, Cat 5.

