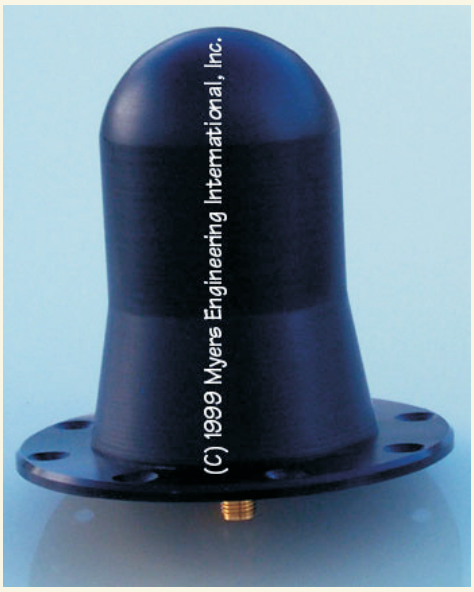
# DATASHEET

## Antenna model UL-2441-A223




This antenna was originally developed for use in an official helicopter mounted 2.4 GHz ISM application. Its housing was designed for use on a C-130 and other low speed aircraft. Its ungrounded design allows it to be used as a broadband receiving antenna well below its operating range and up to 4 GHz, where it begins to multi-mode.

**Frequency range**: 1.2-2.8 GHz
**Coverage**: Omni-directional, low azimuthal ripple
**Polarization**: Linear, Vertical
**Gain**: +2 to +4 dBil
**Nominal Impedance**: 50 ohm (RF), Open Circuit (DC)
**VSWR**: 2.0
**Connector**: TNC, Female
**Dimensions**: Housing 5 cm (2") OD x 7.6 cm (3") h
Mounting flange 7.8 cm (3.05") OD x 3 mm (0.12") h
**Mounting**: 8 x #10-32, 100° screws
Connector requires a 1.00" hole
**Operating Temperatures**: -40°C to +85°C
**Altitude**: Housing tested to equivalent of 50,000 ft

**NOTES**:

Requires a ground plane (normally mounts on a metal body)
This product is not FAA certified for civilian aircraft
This antenna is subject to export controls
Does not meet grounding per MIL-E-5400
MIL-E-5400 grounding version UL-2441-AM223 is upcoming