

# VERDANT JL 50

## L-Band Blade Antenna

JL 50 is a L - band antenna used with the telemetry system of Light Combat Aircraft (LCA). The antenna has excellent omnidirectional pattern over the entire band. The radiating element is encased in a single piece glass fibre reinforced epoxy shell. The antenna is designed as light weight, low profile, low drag stub antennas ideally suited for high performance supersonic aircraft.



SPECIFICATIONS

**ELECTRICAL**

Frequency Range	1430 MHz – 1540 MHz
VSWR	2:1 (max)
Polarization	Vertical
Radiation Pattern	Omnidirectional in azimuth
Impedance RF	50 Ω
Static Protection	DC Grounded
Power RF	20 W

**MECHANICAL**

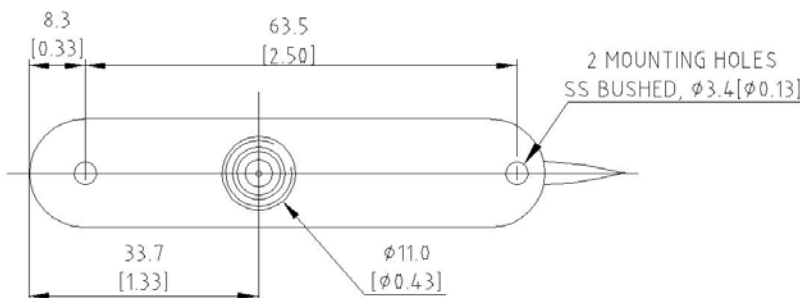
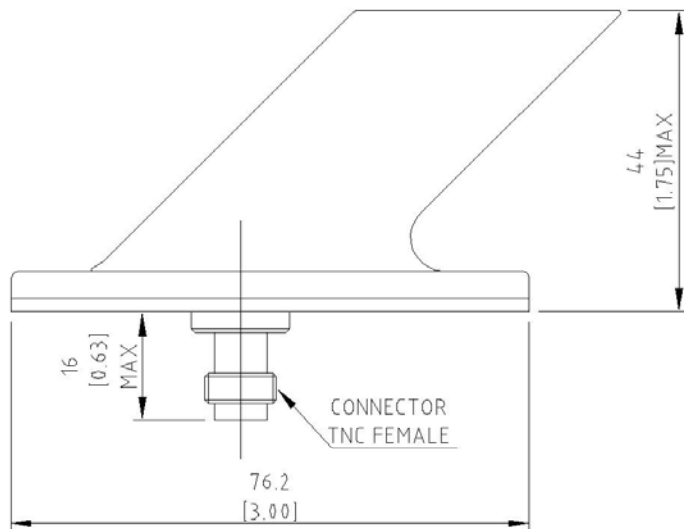
Weight	55 grams (Max)
Height	44 mm(Max)
Material	Glass Epoxy
Finish	Gloss
Connector	TNC

**ENVIRONMENTAL**

Temperature	-55°C to +90°C
Altitude	60,000 feet

\*Contact us for your customized requirements

Tests in accordance with MIL 810 D



Dimensions are in mm  
Inches shown in bracket

0413 Rev.00



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