

# VERDANT JS 50 S1H -1

## S-Band Blade Antenna

JS 50 S1H -1 is an S - band antenna used with telemetry systems. 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	2150 MHz - 2500 MHz
VSWR	2.0:1 (Max)
Polarization	Vertical
Radiation Pattern	Omnidirectional in azimuth
Impedance RF	50 Ω
Static Protection	DC Grounded
Power RF	20 W

**MECHANICAL**

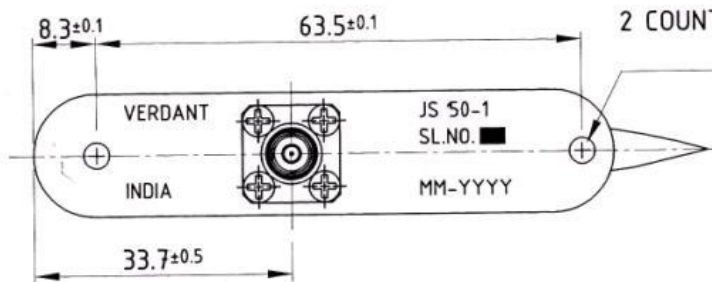
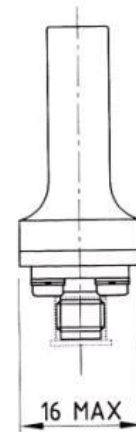
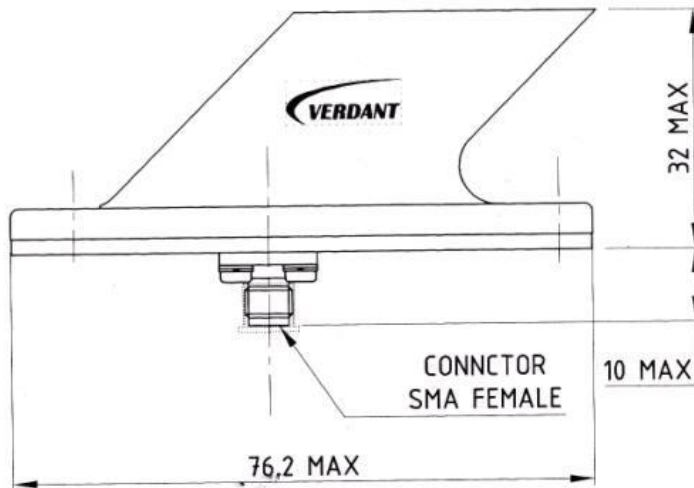
Weight	45 grams (Max)
Height	32 mm (Max)
Material	Glass Epoxy
Finish	Anti-Static , Anti-Erosion Matt Black
Connector	SMA Female

**ENVIRONMENTAL**

Temperature	-55°C to +95°C (Storage) -55°C to +93°C (Operating)
Altitude	60,000 feet

\*Contact us for your customized requirements

Tests in accordance with MIL 810 F



2 COUNTER SUNK MOUNTING HOLES  
SS BUSHED  $\phi 3.4$

Dimensions are in mm  
Inches shown in bracket

0119 Rev 00



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\*All data contained herein is subject to change without notice

