

# VERDANT JD 317 N1B

## V/UHF Blade Antenna

JD 317 N1B is an airborne passive broad band antenna which functions in the frequency range of 30 MHz to 420 MHz for air to air, air to ground, in line of sight communication. The antenna design is such that the total aerodynamic drag due to the protrusion of antenna into the airstream is reduced to minimum. The single piece continuous fibre reinforced epoxy shell is designed to meet the stringent MIL requirements of high performance air crafts.



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**SPECIFICATIONS**

**ELECTRICAL**

|                   |                             |
|-------------------|-----------------------------|
| Frequency Range   | 30 MHz -420 MHz             |
|                   | ≤ 2.5:1 30 MHz - 88 MHz     |
|                   | 108 MHz - 118 MHz           |
| VSWR              | 118 MHz - 174 MHz           |
|                   | ≤ 2.0:1 225 MHz - 400 MHz   |
|                   | 400 MHz -420 MHz            |
| Polarization      | Vertical                    |
| Radiation Pattern | Omnidirectional in azimuth, |
| Impedance RF      | 50 Ohms Nominal             |
| Static Protection | DC Grounded                 |
| Power RF          | 50 W                        |

**MECHANICAL**

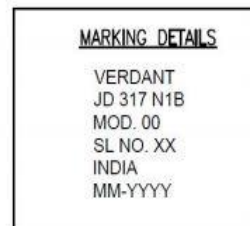
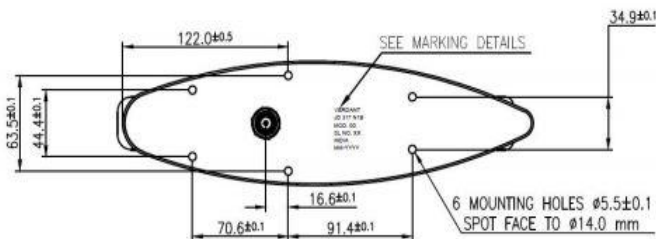
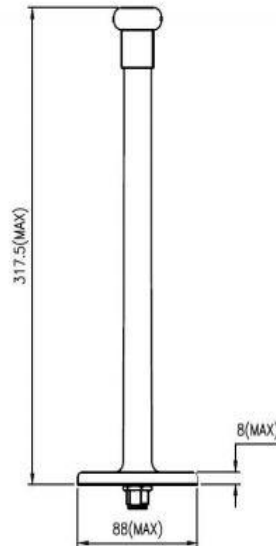
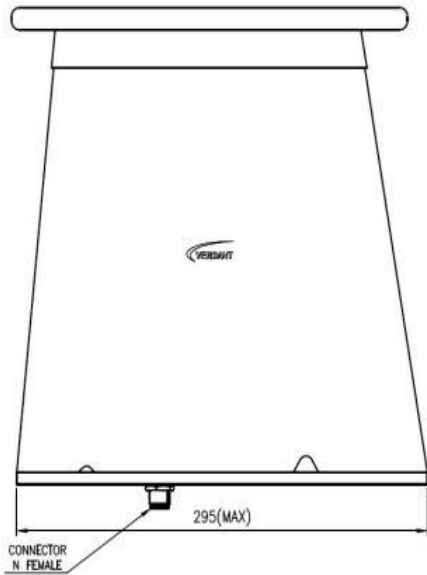
|           |                        |
|-----------|------------------------|
| Weight    | 1600 grams (Max)       |
| Height    | 317.5 mm (Max)         |
| Material  | Reinforced Glass Epoxy |
| Finish    | Satin Black            |
| Connector | N Female               |

**ENVIRONMENTAL**

|             |                |
|-------------|----------------|
| Temperature | -54°C to +85°C |
| Altitude    | 23,000 feet    |

\*Contact us for your customized requirements

Tests in accordance with MIL 810 F



Dimensions are In mm

0618 Rev 00



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

