



SIGNAL ANTENNA SYSTEMS

MODEL: SA V800-1 OMNI

Product Data Sheet

SA V800-1 OMNI: Wideband, rugged, high power omni-directional antenna for use on ground, vehicle, and marine installations. Wide elevation plane beamwidth allows for reliable coverage. Operational frequency range from 800 - 6000 MHz supports a variety of applications and requirements such as: Tactical communication, Telemetry, Electronic Warfare (EW), Signal Intelligence (SIGINT), and Spectrum Monitoring.

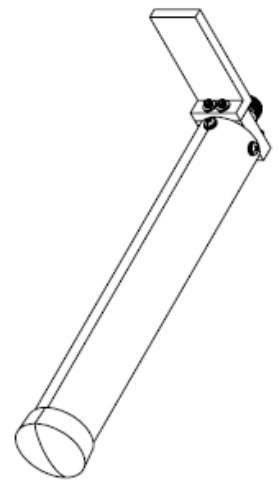
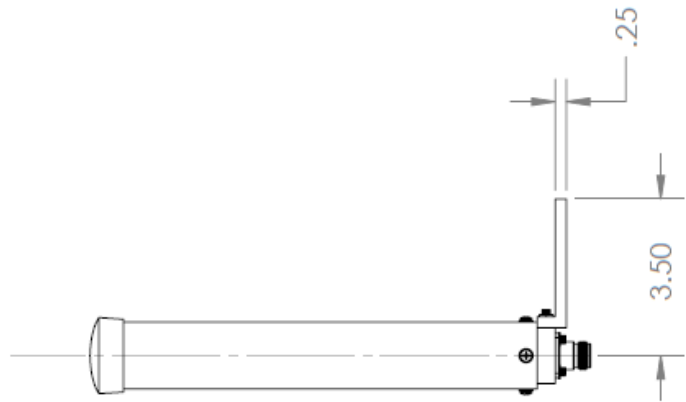
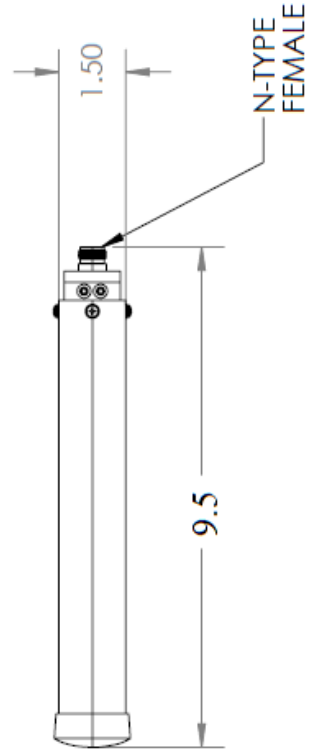
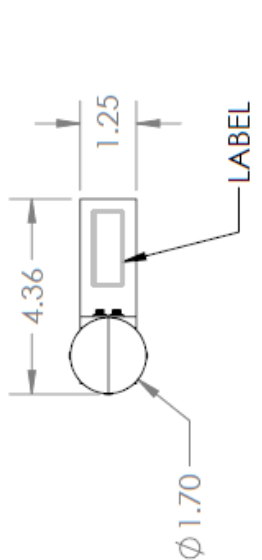
FEATURES:

Wideband:
900 - 6000 MHz
High Power Handling
Compact Design
Rugged
Sealed construction



PERFORMANCE CHARACTERISTICS

| RF and Electrical | |
|--------------------------|-------------------------------------|
| Frequency Range | 800 – 6,000 MHz |
| Gain | +2 dBi |
| 3-dB Beamwidth (E-Plane) | 80.0° (@ 1.0 GHz) |
| 3-dB Beamwidth (H-Plane) | 360.0° |
| Polarization | Linear |
| VSWR | 2.0:1 |
| Power Handling | 200 Watts |
| MECHANICAL | |
| Dimensions | 9.5" high x 1.3"diam. |
| Weight | 16 oz |
| Mounting | 2-hole bolt pattern or base/bracket |
| INTERFACE | |
| N-Type Female | |
| ENVIRONMENTAL | |
| Operating Temperature | -55° to 75° |
| Wind Survival | 100 mph |



| UNLESS OTHERWISE SPECIFIED: | | NAME | DATE |
|---|--|--------------------------|---------------|
| DIMENSIONS ARE IN INCHES | | A.K. | 02/21/22 |
| TOLERANCES: 0.05 | | A.M. | 02/21/22 |
| FRACTIONAL: 1 | | A.M. | 02/21/22 |
| ANGULAR: MACH: BEND ± | | A.M. | 02/21/22 |
| TWO PLACE DECIMAL ±0.01 | | A.M. | 02/21/22 |
| THREE PLACE DECIMAL ±0.005 | | A.M. | 02/21/22 |
| INTERPRET GEOMETRIC TOLERANCING PER: | | A.M. | 02/21/22 |
| PROPRIETARY AND CONFIDENTIAL | | | |
| THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SIGNAL ANTENNA SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SIGNAL ANTENNA SYSTEMS, INC. IS PROHIBITED. | | | |
| CAGE CODE 0BD62 | | SIZE DWG. NO. | |
| FINISH FLAT BLACK PAINT | | SA-V800-1-OMNI-DWG-REV-1 | |
| DO NOT SCALE DRAWING | | SCALE: 1:4 | WEIGHT: 16 OZ |
| | | SHEET 1 OF 1 | |

SIGNAL ANTENNA SYSTEMS, INC.

TITLE:

SA V800-1 WIDEBAND
OMNI ANTENNA

REV
A