

DATASHEET

3 dBi Omni Broadband Bulkhead Mount Antenna with 5' Pigtail (RP-SMA) A072703S-OBH

The A072703S-OBH is a broadband antenna capable of simultaneous operation on worldwide bands from 750 MHz up to 2.7 GHz, with excellent response. It is a rugged style antenna and excellent for outdoor or indoor industrial applications. The design features field diversity with both vertical and horizontal polarization components. This provides the antenna diversity, frequency agility, low visibility, wide bandwidth, and a low angle radiation pattern that is superior to traditional gain antennas in most applications. It comes attached to 5 feet low loss RF-195 RG 58 cable with RP-SMA connector.



Features

- ◆ Simultaneously sensitive to both electric and magnetic fields of signal, like having two antennas
- ◆ Resistant to the picket fence fading and multi-path nulls that are found in the urban operation and undulating mobile environments
- ◆ IP67 All-weather operation for the harshest conditions
- ◆ Low profile design provides watertight seal
- ◆ Backed by ProSoft Technology[®] Industrial data communications experts who understand your protocols, devices, and applications

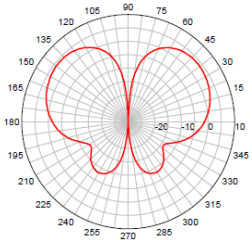
Specifications

Radio

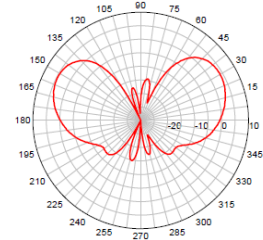
Frequency	750 MHz to 2.7 GHz
Gain	3 dBi
VSWR	2:1 Max over range
Operating Temp.	-40° to +85° C (-40° to 185° F)
Nominal Impedance	50 Ohms
Maximum Power	10 W
Dimensions (H x W)	3 x 1.7 in 7.6 x 4.3 cm
Case Metal	ASA plastic, UV Resistant
Hardware	Nut, lockwasher, and gasket
Mounting Stud	5/8 in (16 mm) diameter feed thru 3/4 in (19 mm) threaded for 1/2 in (12.7 mm) metal
Pigtail Cable	RF-195, 5 foot
Pigtail Connector	RP-SMA Plug



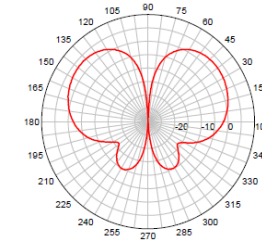
RMM 900 MHz – Elevation Plot



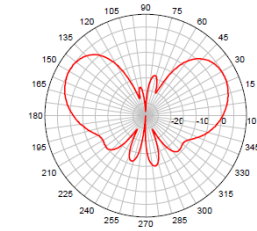
RMM 1900 MHz – Elevation Plot



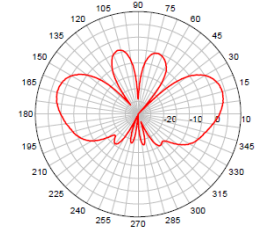
RMM 925 MHz – Elevation Plot



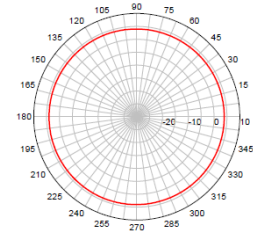
RMM 1800 MHz – Elevation Plot



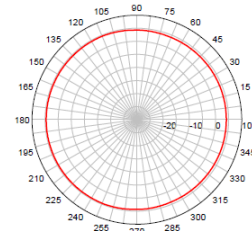
RMM 2400 MHz – Elevation Plot



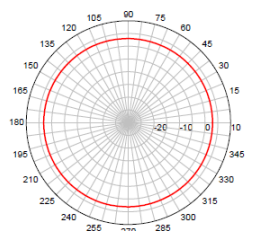
RMM 900 MHz – Azimuth Plot



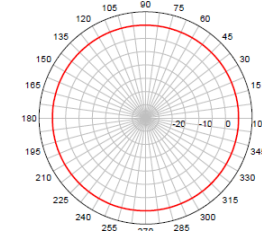
RMM 1900 MHz – Azimuth Plot



RMM 925 MHz – Azimuth Plot



RMM 1800 MHz – Azimuth Plot



RMM 2400 MHz – Azimuth Plot

