

RFI DAS6927-MDP Wideband MIMO DAS/IBC Panel Antenna

Product Code

DAS6927-MDP-N

Polarisation

2x2 MIMO

Design Type

Panel / Sector

Application Category

DAS/IBC

RF Category

Cellular



The DAS6927-MDP-N antenna is a high performance, MIMO, PIM rated multi-band directional panel antenna, covering 3G and 4G LTE applications in bands 689 to 960 MHz and 1710 to 2700 MHz, including 2.4 GHz WiFi. The wideband design eliminated the need to purchase different antennas for each frequency and is ideal for all fixed MIMO in-building coverage applications.

Due to the mechanical design of this antenna, it is not recommended for outdoor applications.

- Ideal for 2X2 MIMO DAS deployment for in-building coverage solutions
- Wideband performance across all cellular bands 698 to 2700 MHz
- Excellent -140 dBc PIM performance
- Wall mountable with 2 x 500 mm tails terminated with N Female connectors
- Optional adjustable wall/pole bracket available

▼ Antenna Technical Data

Physical Characteristics

Construction Material	Polyvinyl Chloride (PVC)	RF Connections	2
Radome Colour	Other - White	Environmental Rating	No Data
Dimensions	312 x 180 x 65 mm (H x W x D)	Operating Temperature	-40 °C to 60 °C
Weight	0.9500 kg	Mounting	Wall bracket

▼ Cellular MIMO-1 Element

Electrical Specifications

Input Impedance 50 Ω

Polarisation Slant +45°

Mechanical Specifications

Input Connector N

Input Connector Gender Female

Electrical Specifications

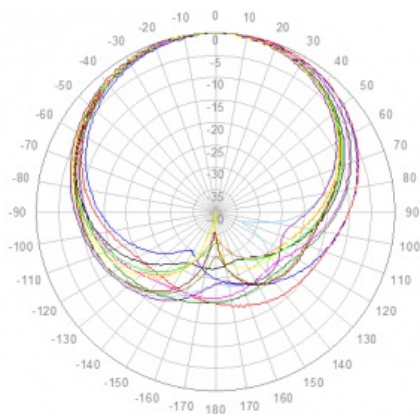
Mechanical Specifications

Max. Input Power	50 W	Cable Series	RG-142
PIM, 3rd Order	-140 dBc	Cable Length	500 mm

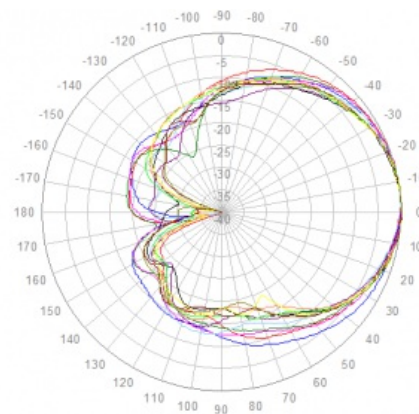
▼ Range: 698 to 960 MHz

Peak Gain	6.00 dBi	Azimuth Beamwidth	90°
VSWR	2.0:1	Elevation Beamwidth	65°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	> 17 dB	Inter-Port Isolation	> 20 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

Azimuth Polar Plot



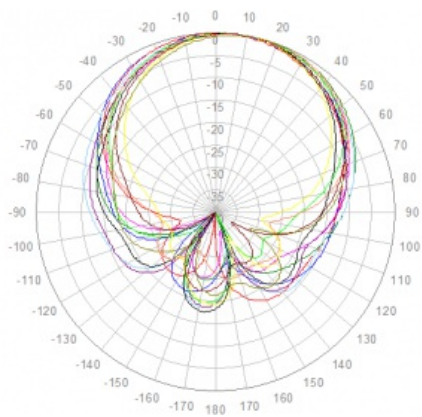
Elevation Polar Plot



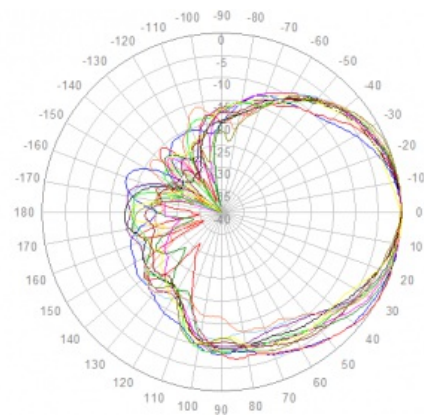
▼ Range: 1710 to 2700 MHz

Peak Gain	7.50 dBi	Azimuth Beamwidth	75°
VSWR	2.0:1	Elevation Beamwidth	60°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	> 17 dB	Inter-Port Isolation	> 20 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

Azimuth Polar Plot



Elevation Polar Plot



▼ Cellular MIMO-2 Element

Electrical Specifications

Input Impedance 50 Ω

Polarisation **Slant -45°**

Max. Input Power 50 W

PIM, 3rd Order -140 dBc

Mechanical Specifications

Input Connector **N**

Input Connector Gender Female

Cable Series **RG-142**

Cable Length 500 mm

▼ Range: 698 to 960 MHz

Peak Gain 6.00 dBi

VSWR 2.0:1

Radiation Efficiency No Data

Front-to-Back Ratio > 17 dB

Cross-Polar
Discrimination -

Azimuth Beamwidth 90°

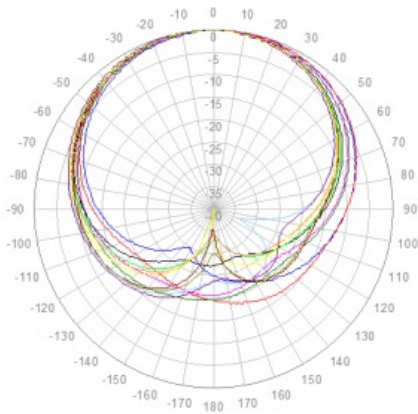
Elevation Beamwidth 65°

Electrical Tilt 0°

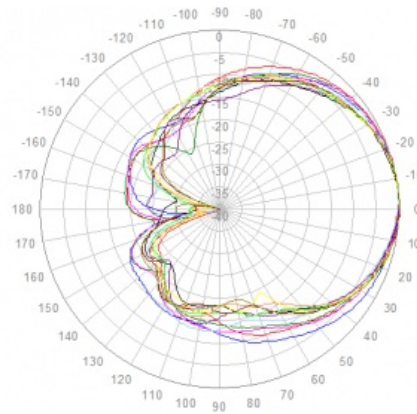
Inter-Port Isolation > 20 dB

Cross-Polar Isolation -

Azimuth Polar Plot



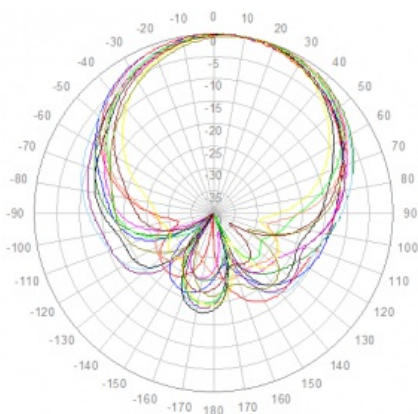
Elevation Polar Plot



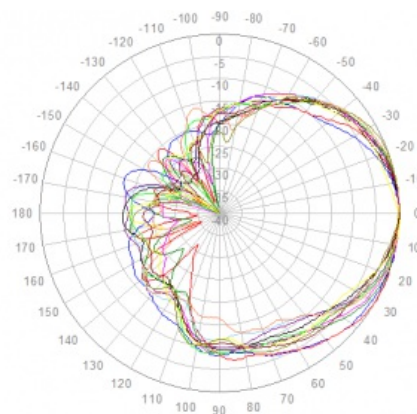
▼ Range: 1710 to 2700 MHz

Peak Gain	7.50 dBi	Azimuth Beamwidth	75°
VSWR	2.0:1	Elevation Beamwidth	60°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	> 17 dB	Inter-Port Isolation	> 20 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

Azimuth Polar Plot



Elevation Polar Plot



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