

Gps Antenna Module GPS 天线模块

FEATURES 特点

- The antenna outline is compact size, the LNA IC adopt import material
产品外型呈扁平状小型结构, 采用进口 IC 设计低噪声放大电路
- Featuring low RL, low Axial Ratio but high gain, etc
性能具有低反射损耗、轴比小、增益高的特点
- Pb-free, ROHS compliant
本产品采用的工艺和材料符合 ROHS 要求



APPLICATIONS 应用

- 适用于 GPS 产品中

Designed to be used for GPS products

Product Identification 产品标识

MGDAM 1575 E 2 N O
① ② ③ ④ ⑤ ⑥

- ① Series name 系列名称
- ② Center frequency 中心频率: 1575MHz
- ③ Patch Antenna 天线尺寸: [*可以根据客户需要而更改产品尺寸]
- ④ Voltage 工作电压
- ⑤ Housing Type 外壳形式
- ⑥ Connector 接头型号: [*可以根据客户的需要而更改接头形式]

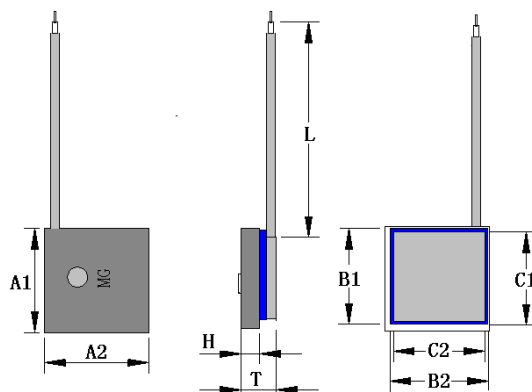
Product Specification Summary 产品规格简表

Part No.产品型号	Dimensions 尺寸 L×W×H (mm)	Center Frequency 中心频率 (MHZ)	LNA Gain 放大器增益
MGDAM1575C2NO	18×18×4	1575.42MHz±3	16-28 dB Typical
MGDAM1575B2NO	15×15×4	1575.42MHz±3	16-28 dB Typical
MGDAM1575E2NO	12×12×4	1575.42MHz±3	16-28 dB Typical
MGDAM1575G2NO	20×6×4	1575.42MHz±3	16dB Typical
MGDAM1575H2NO	10×10×4	1575.42MHz±3	16dB Typical
MGDAM1575J2NO	16×6×4	1575.42MHz±3	16dB Typical
MGDAM1575I2NO	18×18×2	1575.42MHz±3	16-28 dB Typical

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Part No. 产品型号: MGDAM1575

1. Dimensions 外形尺寸 (Unit: mm)



Unit:mm

Part No.产品型号	A1	A2	B1	B2	C1	C2	T	H	L*
MGDAM1575C2NO	18	18	16.5	16.5	15	15	5.6	4	40±3mm
MGDAM1575B2NO	15	15	16.5	16.5	12	12			
MGDAM1575E2NO	12	12	12	12	12	12			
MGDAM1575G2NO	20	6	20	6	14	5.5			
MGDAM1575H2NO	10	10	10	10	8.4	7.9			
MGDAM1575J2NO	16	6	16	6	14	5.5			
MGDAM1575J2NO	18	18	16.5	16.5	14	5.5	3.6	2	

*:可以根据客户要求定制电缆线长

2. Electrical Characteristics 电气性能

① Patch antenna Electrical Characteristics 陶瓷天线特性

No.	Item (项目)	MGDAS1575R
1	Center Frequency 中心频率	1575.42MHz±3 MHz
2	V.S.W.R 电压驻波比	<2.0
3	Band Width 带宽	>10MHz
4	Impedence 阻抗	50 ohm
5	Peak Gain 最高增益	>0 dBic Based on50×50mm ground plane
6	Gain Coverage 增益范围	>-1dBic at -90°<0<+90°(over 75% Volume)
7	Polarization 天线极化	RHCP

② LNA Electrical Characteristics 低噪声放大器性能

No.	Item (项目)	MGDAM1575E2NO
1	LNA Gain 放大器增益	28 dB Typical
2	Noise Figure 噪声系数	1.8 Max
3	V.S.W.R 输入驻波	1.5 Typical
4	DC Voltage 直流电压	3.3V±0.3V
5	DC current 直流电流	3.5mA Max