

Multiband GNSS (GPS/GLONASS/BeiDou/Galileo) - FPC Antenna

AFAG3030-SG3

Request Samples



Check Inventory



30 x 30 x 0.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Features

- Multiband GNSS Coverage – GPS/GLONASS/BeiDou/Galileo
- Ultra-Low Profile
- Flexible Structure
- Peel-and-stick Mount
- Easy installation using IPEX Connector (Customizable Cable and Connector Options)

Applications

- IoT
- M2M
- Geofencing
- Remote Monitoring
- Logistics and Tracking
- Surveying and Mapping Systems

Electrical Specifications

Parameter	Specification			Unit
	Min	Typ	Max	
Operating Frequency*	1550		1620	MHz
Bandwidth		70		MHz
VSWR			2.5	
Gain	Peak	2 ~ 3		dBi
	Average	0~1		
Input Power			3	W
Impedance	50			Ω
Polarization	Vertical			
Radiation Pattern (Azimuth)	Omni-directional			

* All test measurements were conducted with the antenna on a 2 mm thick ABS surface. Please note that the operating frequency shifts with a change in housing material and thickness.

Mechanical Specifications

Parameter	Specification
Antenna Dimension	30 x 30 x 0.2 mm
Material	FPC
Mounting Type*	Adhesive Tape (3M 467MP)
RF Connector	IPEX - 1
RF Cable	\varnothing 1.13 mm, L = 100 ± 5 mm

*Do not mount the antenna on a metal surface.



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 01-03-20

ABRACON IS
ISO9001-2015
CERTIFIED

Multiband GNSS (GPS/GLONASS/BeiDou/Galileo) - FPC Antenna

AFAG3030-SG3

Request Samples



Check Inventory

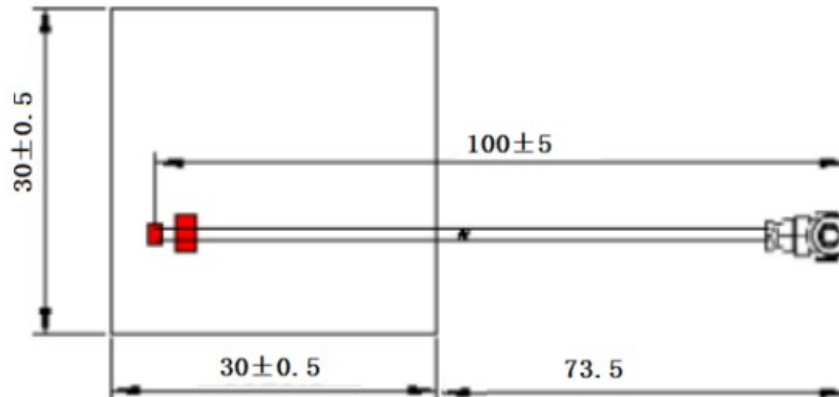


30 x 30 x 0.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Environmental Specification

Parameter	Specification
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
RoHS Compliance	Yes
PB Free	Yes
MSL	Not Applicable
ESD Sensitive	Yes
Vibration	10 ~ 55 Hz with 1.5 mm amplitude 2 hrs

Product Dimension



Unit : mm

Multiband GNSS (GPS/GLONASS/BeiDou/Galileo) - FPC Antenna

AFAG3030-SG3

Request Samples

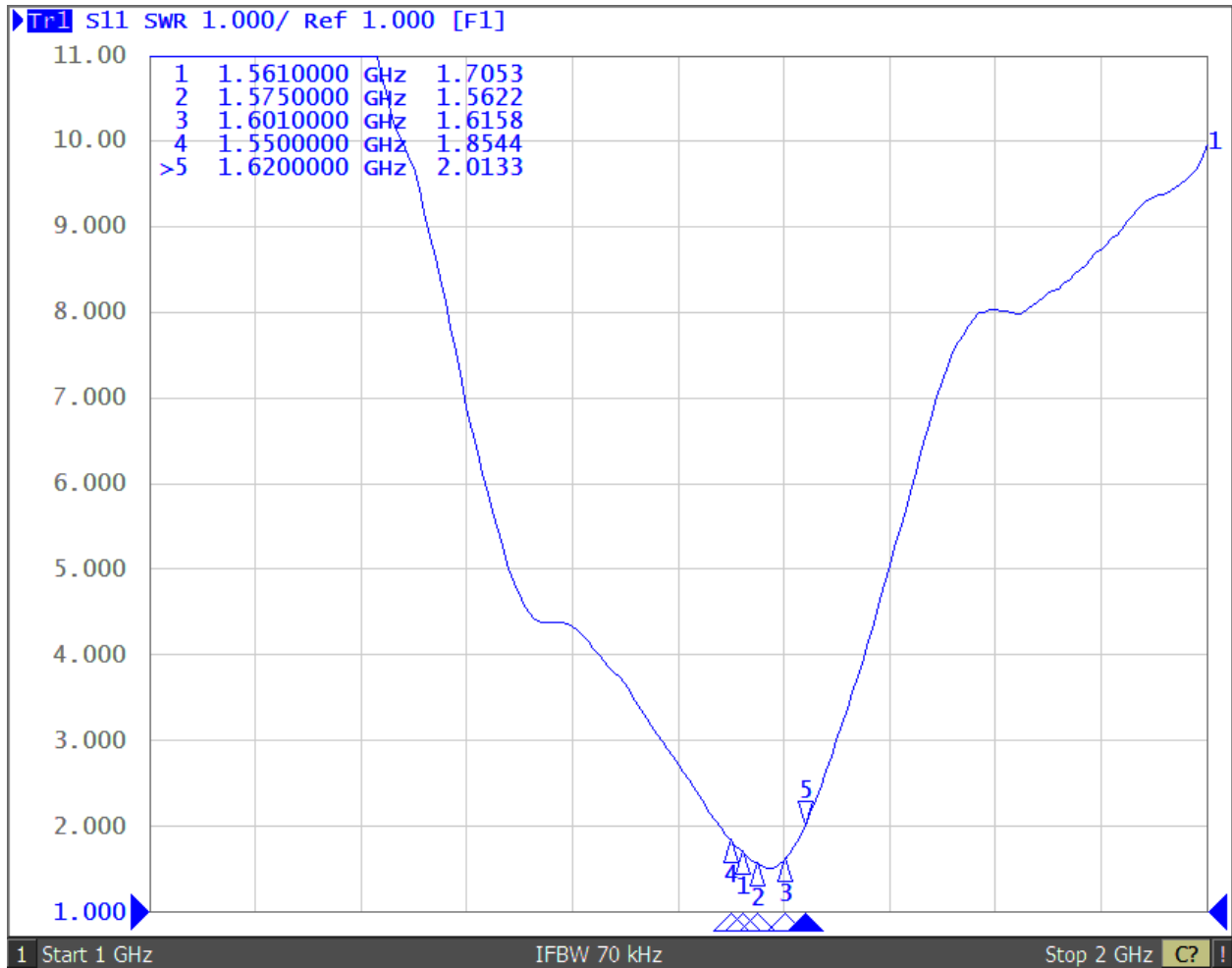


Check Inventory



30 x 30 x 0.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Test Measurement - VSWR



Multiband GNSS (GPS/GLONASS/BeiDou/Galileo) - FPC Antenna

AFAG3030-SG3

Request Samples

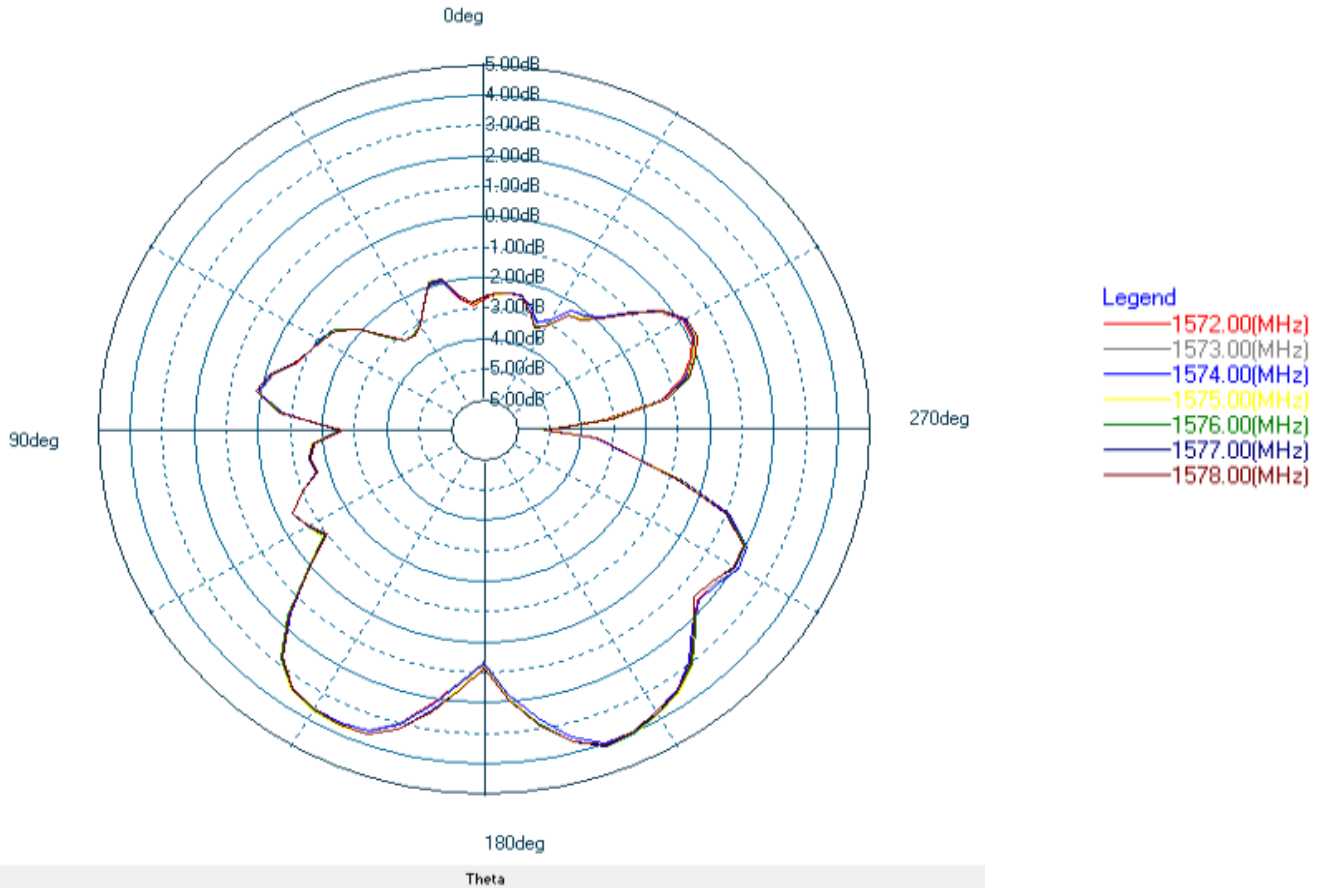


Check Inventory



30 x 30 x 0.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Radiation Characteristics



Multiband GNSS (GPS/GLONASS/BeiDou/Galileo) - FPC Antenna

AFAG3030-SG3

Request Samples

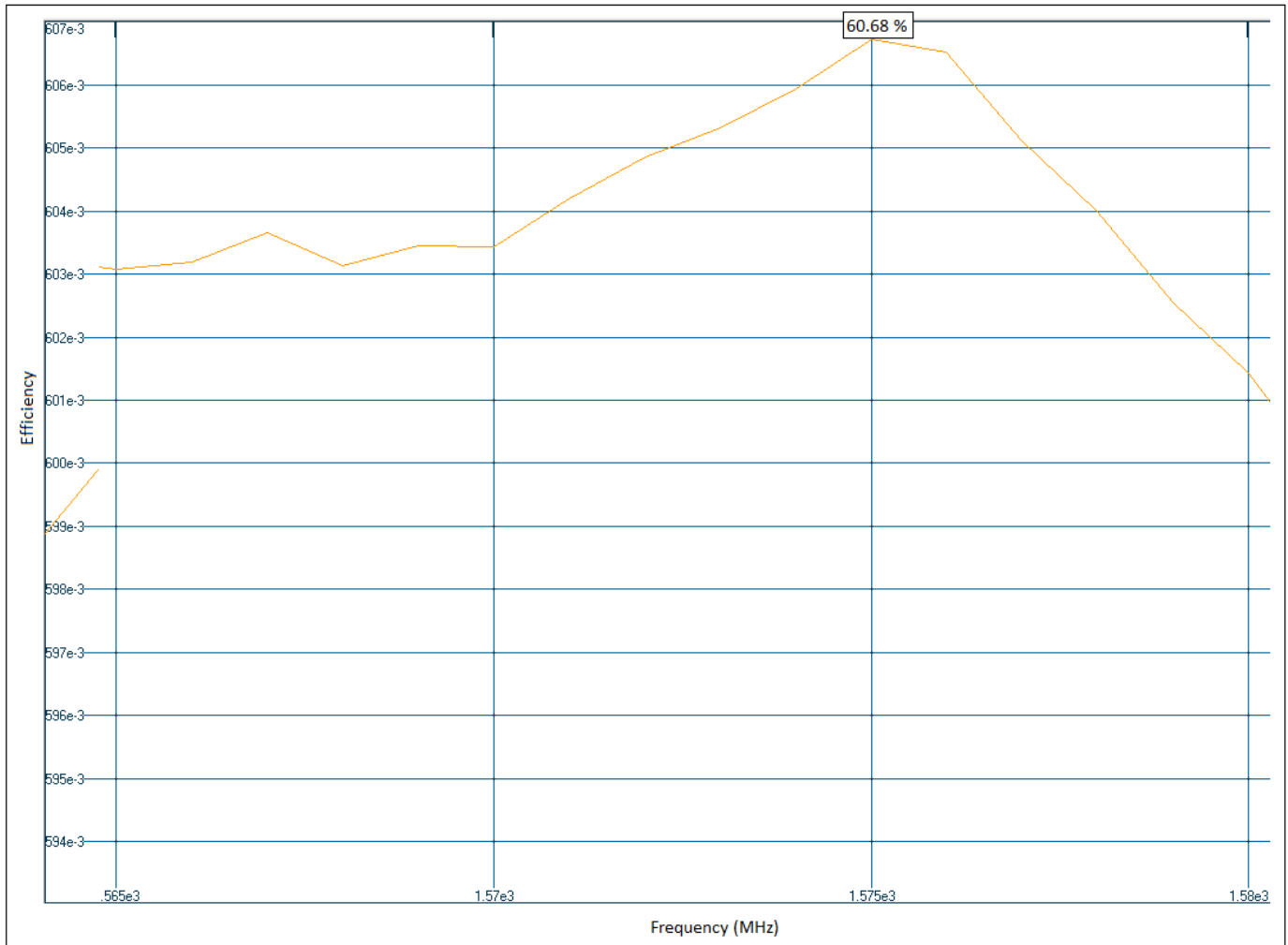


Check Inventory



30 x 30 x 0.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Efficiency



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 01-03-20

ABRACON IS
ISO9001-2015
CERTIFIED

Multiband GNSS (GPS/GLONASS/BeiDou/Galileo) - FPC Antenna

AFAG3030-SG3

Request Samples



Check Inventory



30 x 30 x 0.2 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Packaging Information

Number of Antenna/ Carton : 2000

Dimension of the Carton : 630 x 460 x 105 mm

ATTENTION: Abracon LLC's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependent Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon LLC is required. Please contact Abracon LLC for more information.



5101 Hidden Creek Ln Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 01-03-20

ABRACON IS
ISO9001-2015
CERTIFIED

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [Abracon](#) manufacturer:

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [A75-001](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [EXB144SM](#) [C37](#) [MAF94051](#) [GD35-17P-NF](#) [P1744](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#) [WCM.01.0111](#) [MIKROE-2393](#)