

# Classic



# JellyFish

MULTI-BAND ANTENNA  
Wi-Fi, GPS, CELLULAR

## Product Number: JF-3

The JellyFish is a 3-way omni-directional, IP67 waterproof antenna for marine communication and transportation harsh environment applications. This antenna delivers advanced antenna technology for GPS/2G/3G/4G/WiFi in a compact package. The functions of WiFi include 802.11a, 802.11b/g/n and emerging 802.11ac. The antenna has its own ground-plane and can radiate on any mounting surface such as metal, plastic, or fiberglass without affecting performance.



Kit Includes:  
JF-3 Antenna, Retaining Nut,  
25ft RG-174 cable x3 (attached)

### Features:

- 3-in-1 antenna functions
- Durable and robust
- Versatile mounting system
- Waterproof IP67
- Built-in ground-plane
- Warranty

### Benefits:

- Wide-beam coverage for GPS, Wi-Fi, and cellular 2G, 3G, and 4G
- Resistant to harsh outdoor environments
- Can be mounted flush or on included pedestal
- Protected from dust and water
- Can radiate on any mounting surface such as metal, plastic, or fiberglass
- Two year limited warranty



Easy Set Up

Beautiful and Durable

Flexibility in Mounting

Universal Compatibility

## TECHNICAL SPECIFICATIONS

Product Number: JF-3	
Dimensions	1.6in x 4in (4.06cm x 10.16cm)
Mounting type	Flush, included pedestal
Mounting thread	M20 x 2.5mm
Connectors	Wi-Fi (R/P SMA Male), GPS (BNC Male), Cellular (FME Female)

## Wi-Fi SPECIFICATIONS

Frequency band	2.4~2.5GHz	5~5.4GHzHz	5.4~5.9GHzHz
Average peak gain	4.8dBi	6.9dBi	7.7dBi
Average efficiency	73%	65%	70%
VSWR Max	3.0:1	3.0:1	3.0:1
Impedance	50Ω	50Ω	50Ω
Pattern type/ polarization	Omni-directional/ linear	Omni-directional/ linear	Omni-directional/ linear
Power handling	25 watt	25 watt	25 watt



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All products and product specifications are subject to change without prior notice



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## GPS SPECIFICATIONS

### Specifications

Frequency band	1575.42 ± 2MHz
VSWR	1.5:1
Bandwidth	20MHz Min. at -10dB
Axial ratio / Polarization	3dB Max. on a 70mm x 70mm ground plane / Right hand circular
Peak Gain	4dBic Min. at 0° on a 70mm x 70mm ground plane
Gain & radiation coverage	≥-4dBic at -90°≤θ≤90° (over 75% volume)

### Amplifier Module

Gain	27dB Typical
Noise figure	2.5dB Max.
LOW voltage operation	2.7-6.0Vdc
Impedance	50 OHMS
VSWR	2:1 Max.
Brand rejection	-35dB@±100MHz
Power handling	1W Max.
Current	10±3mA

## CELLULAR SPECIFICATIONS

Frequency type	LTE	AMPS/GSM	DCS/PCS	WCDMA
Frequency band	696~800MHz	824~960MHz	1710~1990MHz	1920~2170MHz
Average peak gain	2.6dBi	-0.1dBi	6.7dBi	6.8dBi
Average efficiency	64%	39%	78%	80%
VSWR Max	3.0:1	3.0:1	3.0:1	2.0:1
Impedance	50Ω	50Ω	50Ω	50Ω
Pattern type/ polarization	Omni-directional/ linear	Omni-directional/ linear	Omni-directional/ linear	Omni-directional/ linear
Power handling	25 watt	25 watt	25 watt	25 watt