

# GALAXY®

Shakespeare®

## Product Name: JellyFish (JF-3)

### Versatile, Multi-Band Antenna

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 802.11abgn 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.

### No Assembly Required

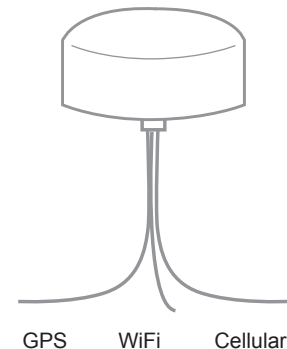
- 3-in-1 antenna functions
- High performance for GPS/WiFi/2G/3G/4G
- Resistant to harsh outdoor environment
- Omni-directional for cellular system
- 1 Cellular/LTE (2G/3G/4G) antennas
- 1 WiFi (802.11abgn, ac) 2.4/5G antennas
- 1 GPS antenna
- Waterproof IP67
- Mounting Thread: M20 x 2.5mm
- Dimensions: 1.6" X 4"

### WiFi 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		
Pattern type/ polarization:	Omni-directional/ linear		
Power handling:	25 watt		



Package Includes:  
JF-3 Antenna / Retaining Nut



CONSOLIDATE AND LIBERATE

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## GPS Specifications

Frequency band:	1575.42 ± 2MHz
VSWR:	1.5 Max
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)
<b>Amplifier Module</b>	
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 band:	LTE	AMPS/GSM	DCS/PCS	WCDMA
	696~800MHz	824~960MHz	1710~1990MHz	1920~2170MHz, 2600 MHz
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			
Pattern type/ polarization:	Omni-directional/ linear			
Power handling:	25 watt			

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