

Product: DELGADO WP LTE

Product Order Code:  
BM-02 RANGE

## Wideband Waterproof Antenna

LTE-4G, CELLULAR (2G, 3G)



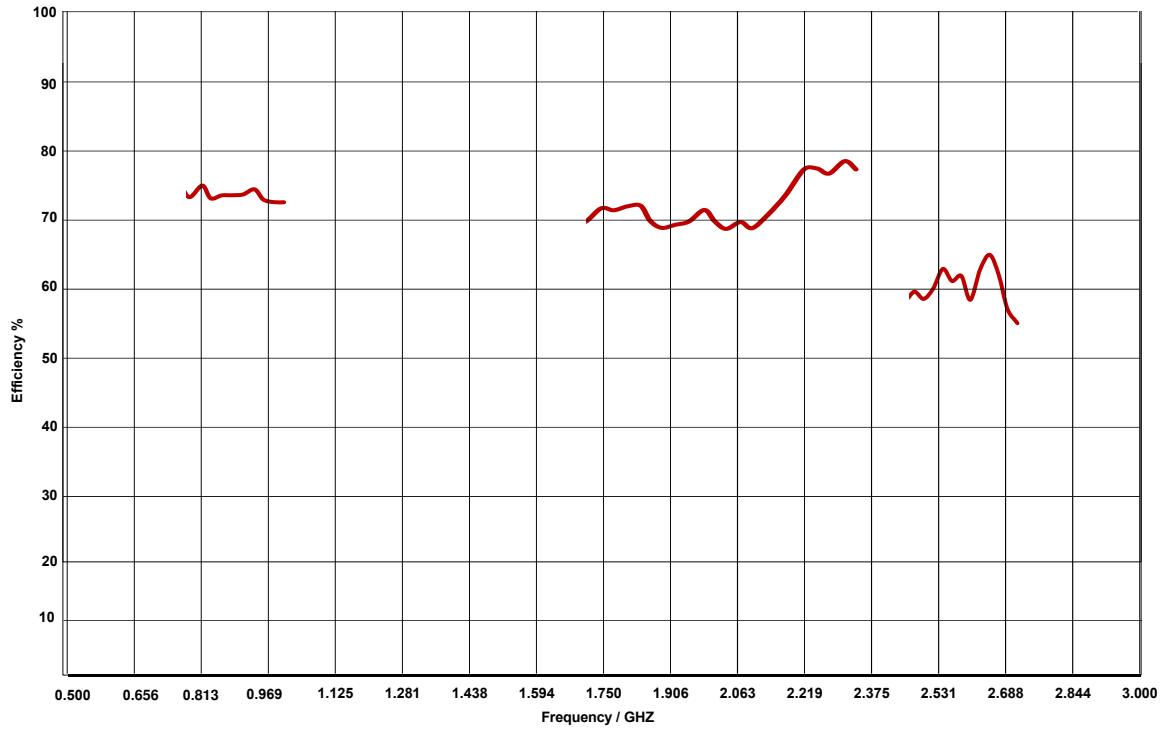
- IP67 robust wideband patch antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com

### Technical Data

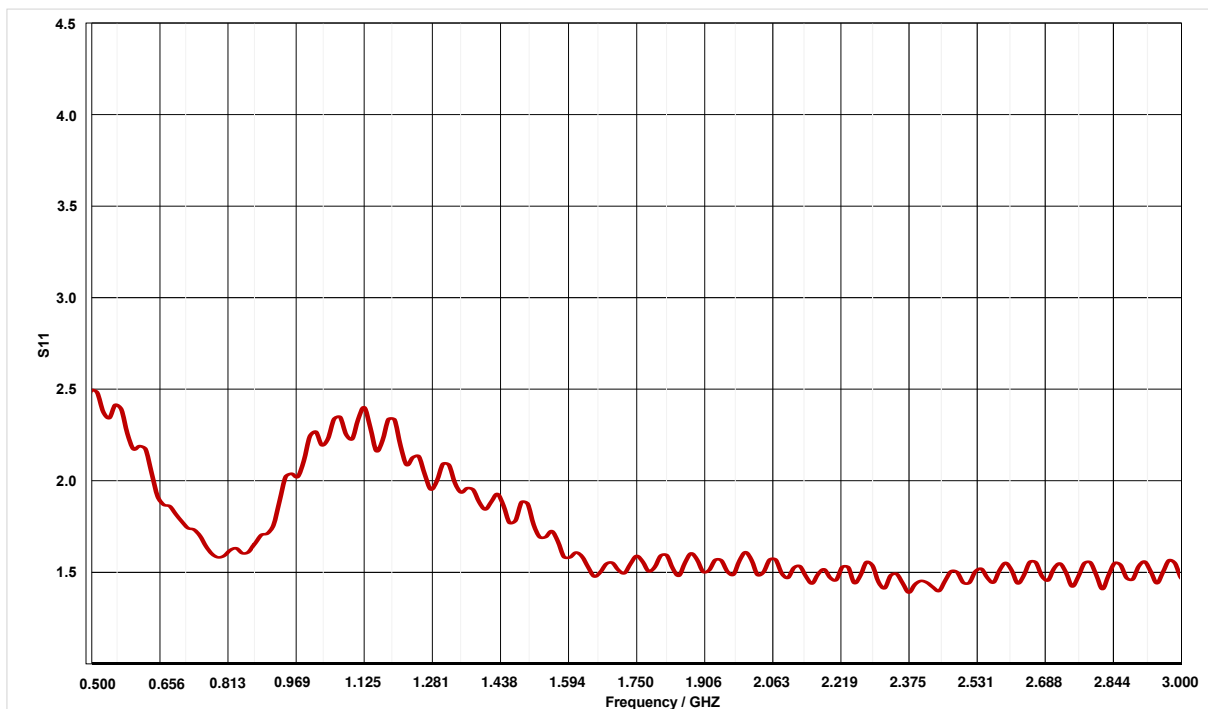
Dimensions	126mm (H) x 25mm (W) x 3.5mm (D)	
Weight	57g	
Construction Materials	PC UV Stable ABS	
Mounting Arrangement	Self Adhesive Pad or Silicone Adhesive (Not Supplied) Ground Plane Independent - Mount on any non metallic surface	
Temperature Range	-40°C to +85°C	
Protection Class	IP67 (IEC 60529)	
<b>Cellular LTE / 2G / 3G</b>		
Frequency Range	LTE 700 + GSM 900:	698 - 960 MHz
	GSM 1800:	1710 - 1880 MHz
	UMTS:	1920 - 2170 MHz
	LTE (High):	2300 - 2700 MHz
Impedance	50 Ohm	
Polarisation	Linear	
Average Gain	LTE 700 + GSM 900:	@ 790-960 MHz; 2.14dBi
	GSM 1800:	@ 1710-1880 MHz; 2.14dBi
	UMTS:	@ 1920-2170 MHz; 2.14dBi
	LTE (High):	@ 2300-2700 MHz; 2.14dBi
Radiation Pattern	Omni-Directional	
Max Power @ 30°C	LTE 700 + GSM 900:	25 Watts @ 790-960 MHz
	GSM 1800:	25 Watts @ 1710-1880 MHz
	UMTS:	25 Watts @ 1920-2170 MHz
	LTE (High):	25 Watts @ 2300-2700 MHz
Return Loss (VSWR)	≤ 2:1 (All Bands)	
Radiator Type	Dipole	
Cable types Available	LL100 50 Ohm Low Loss / RG174 / RG316	
Cable Length	According to customer specification	
Connector	According to customer specification	
Test & Measurement Conditions	300mm x 300mm x 2mm ABS / 1000mm LL100 Cable / SMA Male connector	

dBi: Referenced to an isotropic radiator

**Radiated Efficiency (LTE)**



**Typical VSWR (LTE)**



CAD Data

