

Product: CUADO L LTE

Product Order Code:
BM-02 RANGE

Wideband Encapsulated PCB Antenna

LTE (EU & NORTH AMERICA), CELLULAR (2G, 3G)

- High efficiency FR4 antenna designed for global approved network use
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

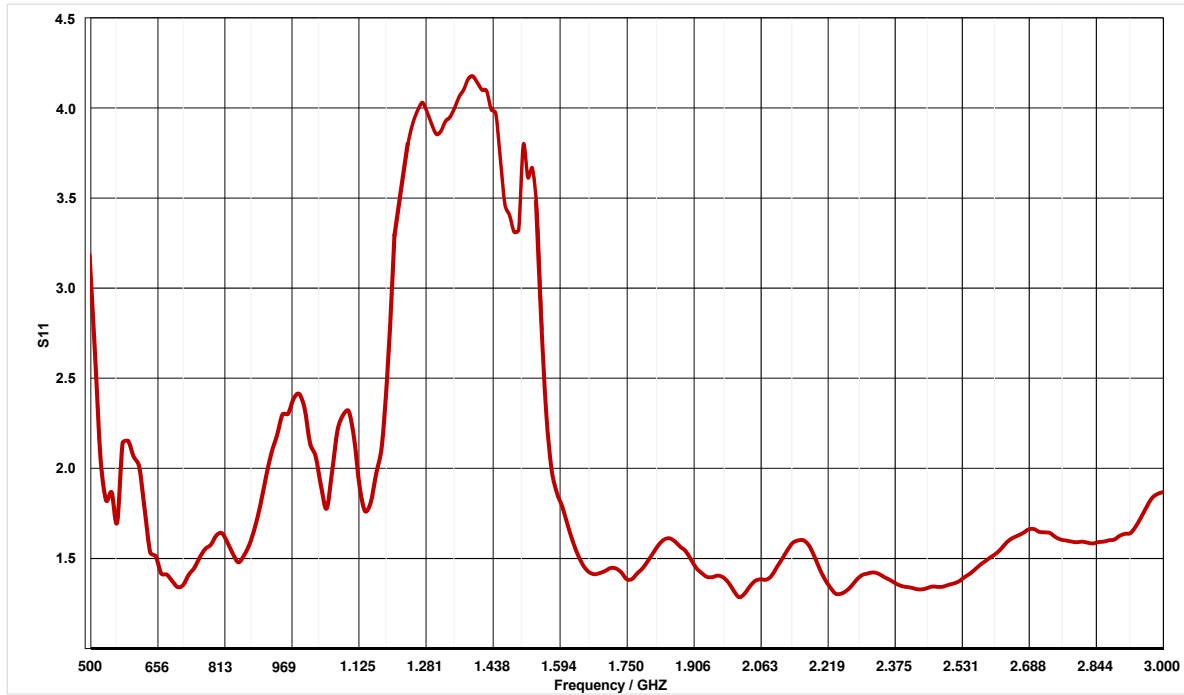
Dimensions	152mm x 76mm x 3.5mm (Excluding Self Adhesive Fixing)	
Weight	42g (Element & Casing)	
Construction Materials	FR4 PCB UL94 V0 IPC4101 Casing; PC/ABS UV Stable	
Mounting Arrangement	3M Self Adhesive Fixing Pad	
Temperature Range	-40 – +85° C	
Protection Class	IP65 IEC60529	
Cellular LTE / 2G / 3G		
Frequency Range	LTE 700 + GSM 900:	698 - 960 MHz
	GSM 1800:	1710 - 1880 MHz
	UMTS:	1920 - 2170 MHz
	WLAN + LTE (High):	2300 - 2700 MHz
Impedance	50 Ohm	
Polarisation	Linear	
Gain	LTE 700 + GSM 900:	@ 790-960 MHz; 2.4dBi
	GSM 1800:	@ 1710-1880 MHz; 4.3dBi
	UMTS:	@ 1920-2170 MHz; 3.8dBi
	WLAN + LTE (High):	@ 2300-2700 MHz; 3.2dBi
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
	WLAN + LTE (High):	25 Watts @ 2300-2700 MHz
Return loss (VSWR)	≤ 1.9:1 (All Bands)	
Radiator Type	Dipole	
Cable type	RG174 / RG316 / RG178 / LL100 50 Ohm Low Loss	
Cable length	According to customer specification	
Connector	According to customer specification	

dBi: Referenced to an isotropic radiator

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VSWR Data



Radiated Efficiency

