Product: 4GMOD118-7

Product Order Code:

BM-02 RANGE

Wideband PCB Antenna

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



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

Technical Data

Dimensions		118mm (W) x 7mm (W) x 3.2mm (D) (Exc. Adhesive Pad)
Weight		18g
Construction Materials		FR4 - Reinforced Epoxy Resin (1L)
Mounting Arrangement		3M Self Adhesive Pad Ground Plane Independent - Mount on any non metallic surface
Temperature Range		-40°C to +85°C
Protection Class		IPXX
Cellular LTE / 2G / 3G		
Frequency Range	LTE 700 + GSM 900: GSM 1800: UMTS: LTE (High):	698 - 960 MHz 1710 - 1880 MHz 1920 - 2170 MHz 2300 - 2700 MHz
Impedance		50 Ohm
Polarisation		Linear
Average Gain	LTE 700 + GSM 900: GSM 1800: UMTS: LTE (High):	@ 790-960 MHz; 2.14dBi @ 1710-1880 MHz; 2.14dBi @ 1920-2170 MHz; 2.14dBi @ 2300-2700 MHz; 2.14dBi
Radiation Pattern		Omni-Directional
Max Power @ 30°C	LTE 700 + GSM 900: GSM 1800: UMTS: LTE (High):	25 Watts @ 790-960 MHz 25 Watts @ 1710-1880 MHz 25 Watts @ 1920-2170 MHz 25 Watts @ 2300-2700 MHz
Return Loss (VSWR)		≤ 2:1 (All Bands)
Radiator Type		Dipole
Cable types Available		MICRO 0.81 / 1.13 / 1.37 / RG174 / RG316
Cable Length		According to customer specification
Connector		According to customer specification
Test & Measurement Conditions		300mm x 300mm x 2mm ABS / 150mm MICRO 1.13 Dia. / IPEX U.FL

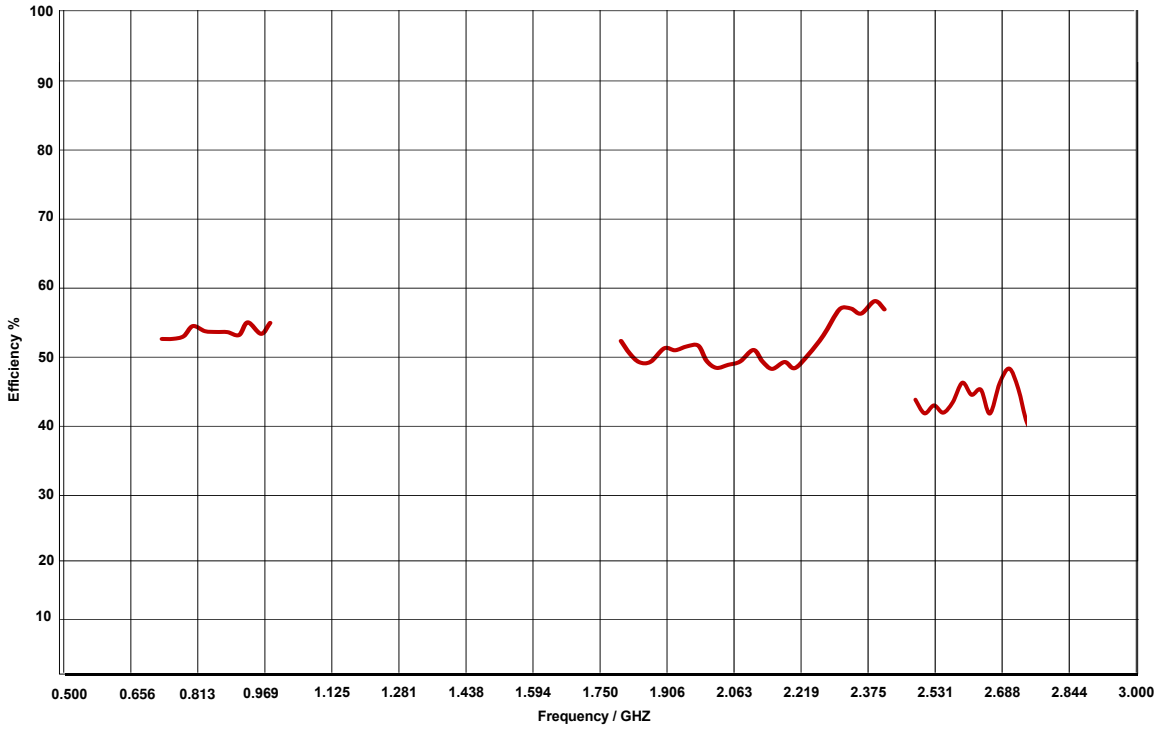
dBi: Referenced to an isotropic radiator

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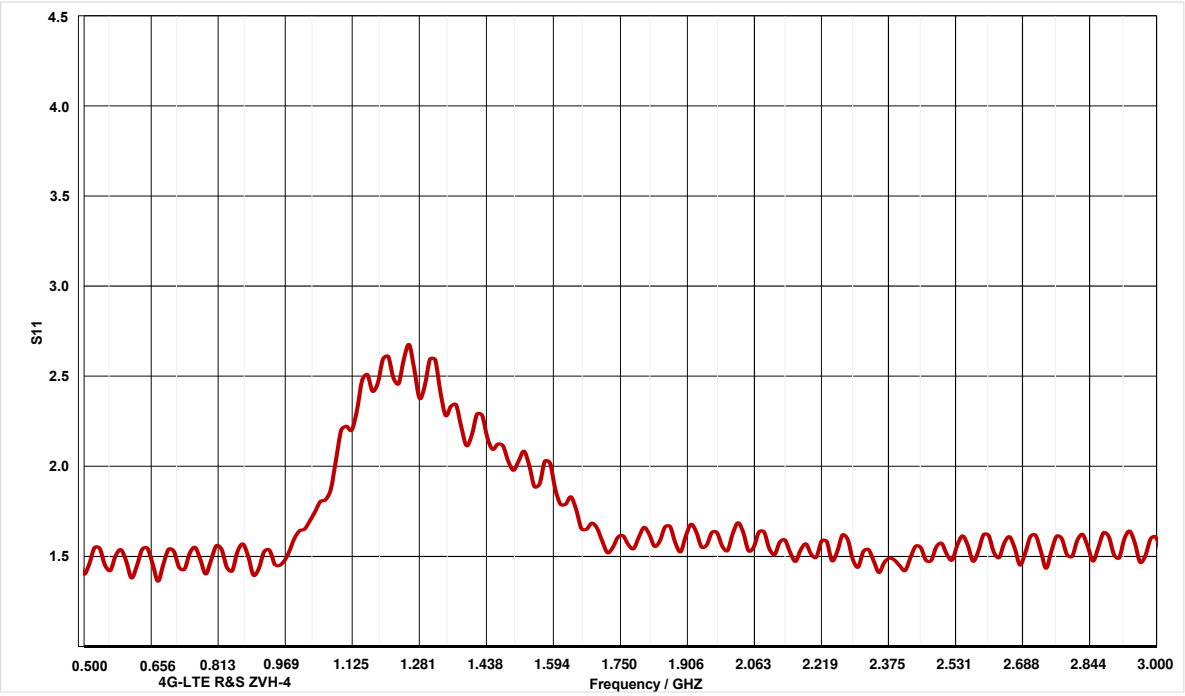
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Radiated Efficiency (LTE)



Typical VSWR (LTE)



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CAD Data

Dimensions: (mm)

