

Product: HPAL110-4G/LTE

Product Order Code:
BM-02467/LTE

Hinged Wideband Connector Mounted Antenna

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

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



Technical Data

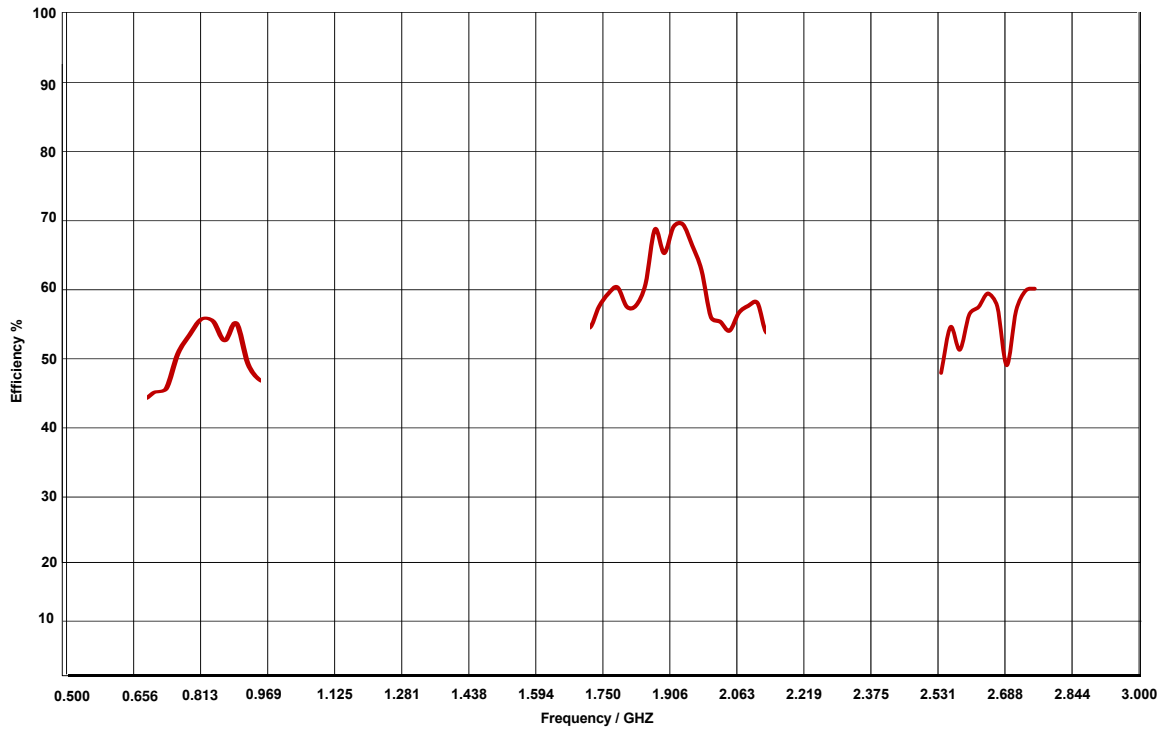
Dimensions		110mm (Overall Height) x 10mm (D) Base Diameter
Weight		34g
Construction Materials		Base - Black SMA / Cover - UV Stable ABS
Mounting Arrangement		Direct Mounted SMA Male Connector Ground Plane Dependent
Temperature Range		-40 to +85° C
Protection Class		IP55
Cellular LTE / 3G / 2G		
Frequency Standards		2G / 3G / 4G-LTE / CAT-M1 / CAT-M2 / DCS / GPRS / GSM900 / GSM1800 / LTE-NB1 / NB-IoT / PCS / UMTS
Frequency Range	LTE 700 + GSM	698 - 960 MHz
	900: GSM 1800:	1710 - 1880 MHz
	UMTS:	1920 - 2170 MHz
	LTE (High):	2300 - 2700 MHz
Impedance		50 Ohm
Polarisation		Linear
Peak Gain	LTE 700 + GSM 900:	@ 790-960 MHz; 0dBi
	GSM 1800:	@ 1710-1880 MHz; 2.14dBi
	UMTS:	@ 1920-2170 MHz; 2.14dBi
	LTE (High):	@ 2300-2700 MHz; 0dBi
Radiation Pattern		Omni-Directional
Maximum Input 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
VSWR		≤ 2:1 (All Bands)
Radiator Type		Monopole
Connector		SMA Male (Hinged)
Test & Measurement Conditions		Fixed Upon 150mm x 150mm Ground Plane

dBi: Referenced to an isotropic radiator

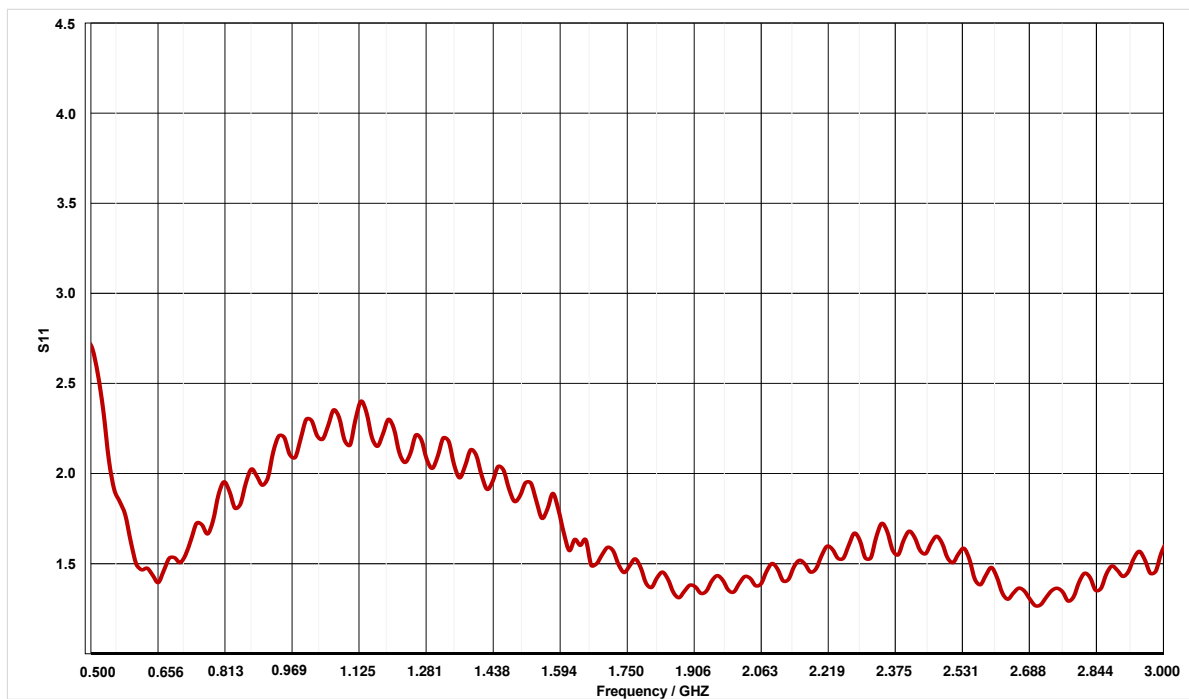
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Radiated Efficiency



Typical VSWR



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CAD Data

