

Product: PALO-100

Product Order Code:

BM-02853

Wideband IP68 Connector Mounted Antenna

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

- IP68 monopole antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

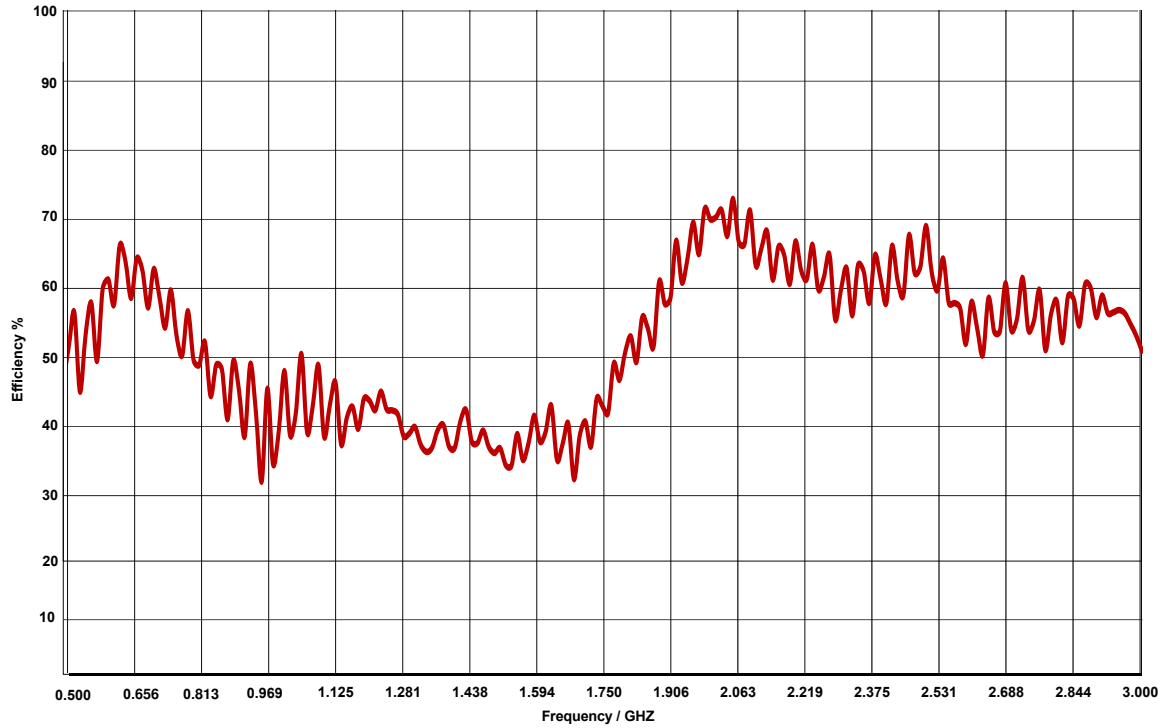
Dimensions	102mm (Overall Height inc. Grommet) x 13.5mm (D) Base Dia.	
Weight	26g	
Construction Materials	Base - Colypolimer / Cover - Black Nylon	
Mounting Arrangement	Direct Mounted SMA Male Connector Ground Plane Dependent	
Temperature Range	-30 to +80°C	
Protection Class	IP68 (When fixed in to position using the grommet supplied)	
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 900: GSM 1800: UMTS: LTE (High):	698 - 960 MHz 1710 - 1880 MHz 1920 - 2170 MHz 2300 - 2700 MHz
Impedance	50 Ohm	
Polarisation	Linear	
Peak 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	
Maximum Input 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
VSWR	≤ 2.1:1 (All Bands)	
Radiator Type	Monopole	
Connector	SMA Male - Silver Plated	
Test & Measurement Conditions	Fixed Upon 150mm x 150mm Ground Plane	

dBi: Referenced to an isotropic radiator

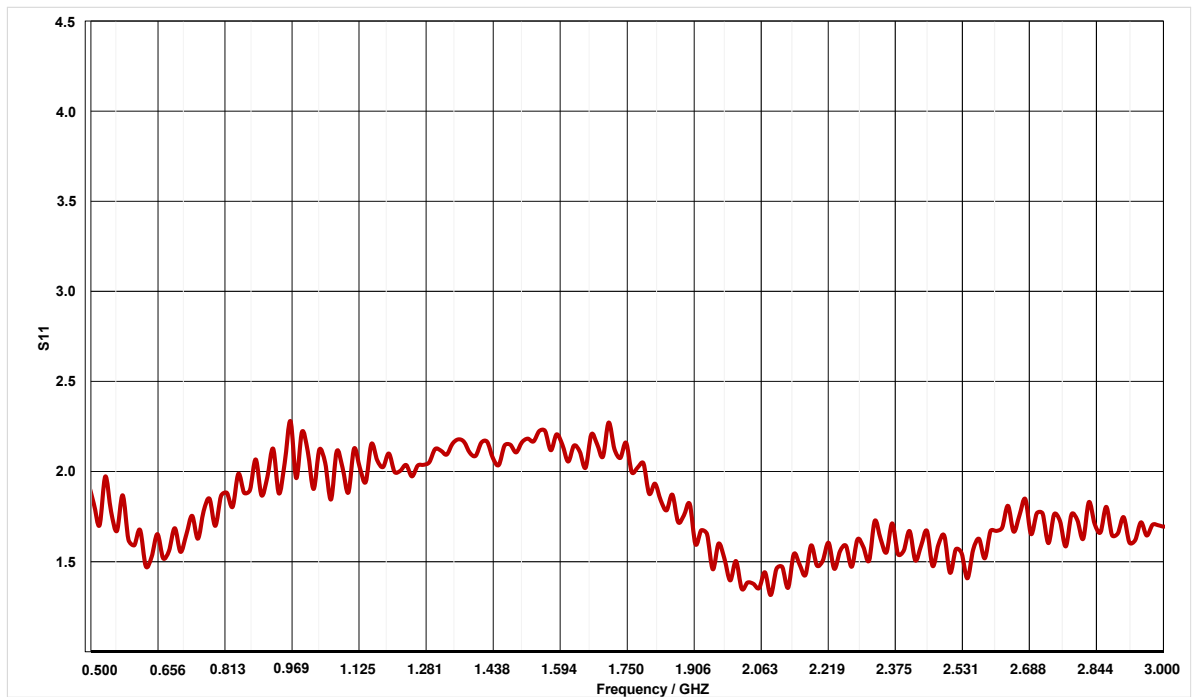
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Radiated Efficiency



Typical VSWR



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CAD Data

