Product: PALO-78H

Product Order Code:

BM-02987

Ultra Wideband Connector Mounted Antenna

5G NR, LTE-4G, CELLULAR (2G, 3G)



- Hinged 3 stage robust ultra wideband monopole antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com

Technical Data

Dimensions		78mm (Overall Height) x 9.35mm (D) Base Diameter
Weight		12g
Construction Materials		Base - Silver Plated Brass / Cover - Polyoxymethylene
Mounting Arrangement		Direct Mounted SMA Male Connector Ground Plane Dependent
Temperature Range		-40 to +85° C
Protection Class		IP55
Cellular 5G NR / LTE / 2G / 3G		
Frequency Standards		2G / 3G / 4G-LTE / 5G NR / CBRS / CAT-x / CAT-Mx / CAT-NBx / DCS / FirstNet / GSM 900 & 1800 / LPWA / NB-IOT / PCS / UMTS
Frequency Range	5G NR + LTE 700 + GSM 900: 5G NR + LTE + 3G + GSM 1800: 5G NR + LTE + 3G: 5G NR + LTE (High):	617 - 960 MHz 1427 - 2690 MHz 3300 - 5000 MHz 5150 - 5925 MHz
Impedance		50 Ohm
Polarisation		Linear
Peak Gain	5G NR + LTE 700 + GSM 900: 5G NR + LTE + 3G + GSM 1800: 5G NR + LTE + 3G: 5G NR + LTE (High):	@ 617 - 960 MHz; 0.8dBi @ 1427 - 2690 MHz; 3.2dBi @ 3300 - 5000 MHz;3.2dBi @ 5150 - 5925 MHz; 1.1dBi
Radiation Pattern		Omni-Directional
VSWR	5G NR + LTE 700 + GSM 900: 5G NR + LTE + 3G + GSM 1800: 5G NR + LTE + 3G: 5G NR + LTE (High):	@ 617 - 960 MHz; <2.7:1 @ 1427 - 2690 MHz; <2:1 @ 3300 - 5000 MHz; <2.5:1 @ 5150 - 5925 MHz; <3.5:1
Maximum Input Power @ 30°C		35 Watts
Radiator Type		Monopole
Connector		SMA Male
Test & Measurement Conditions		150mm x 150mm Ground Plane

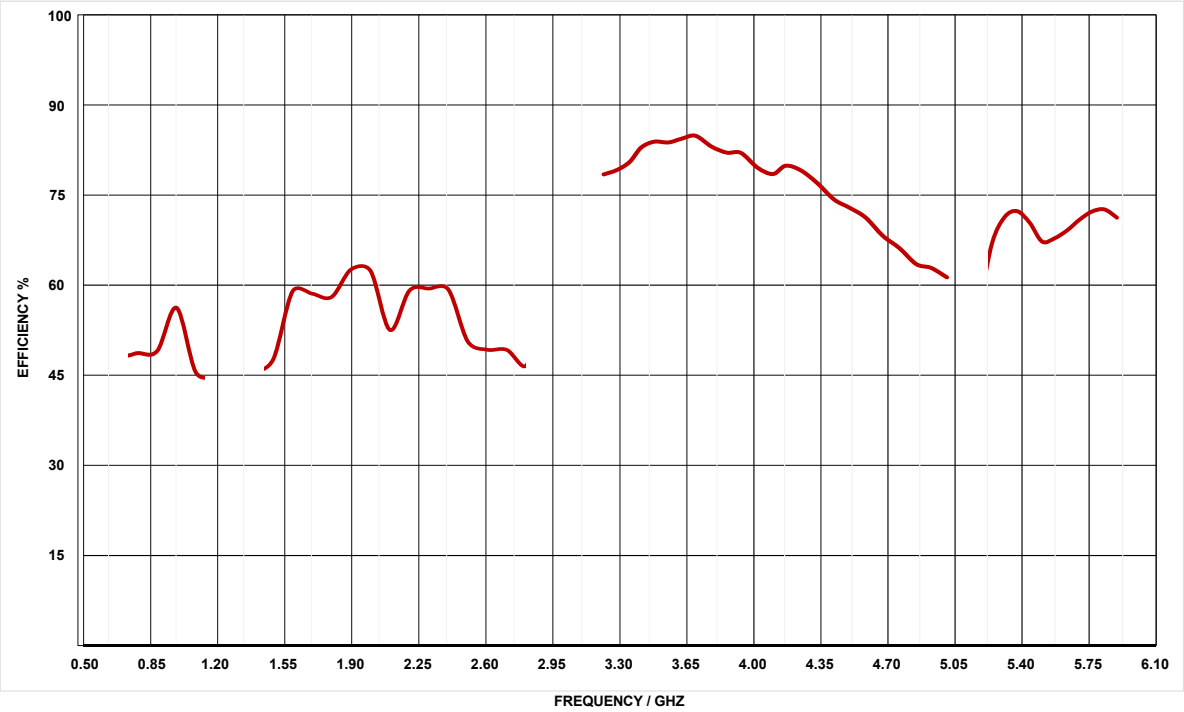
dBi: Referenced to an isotropic radiator

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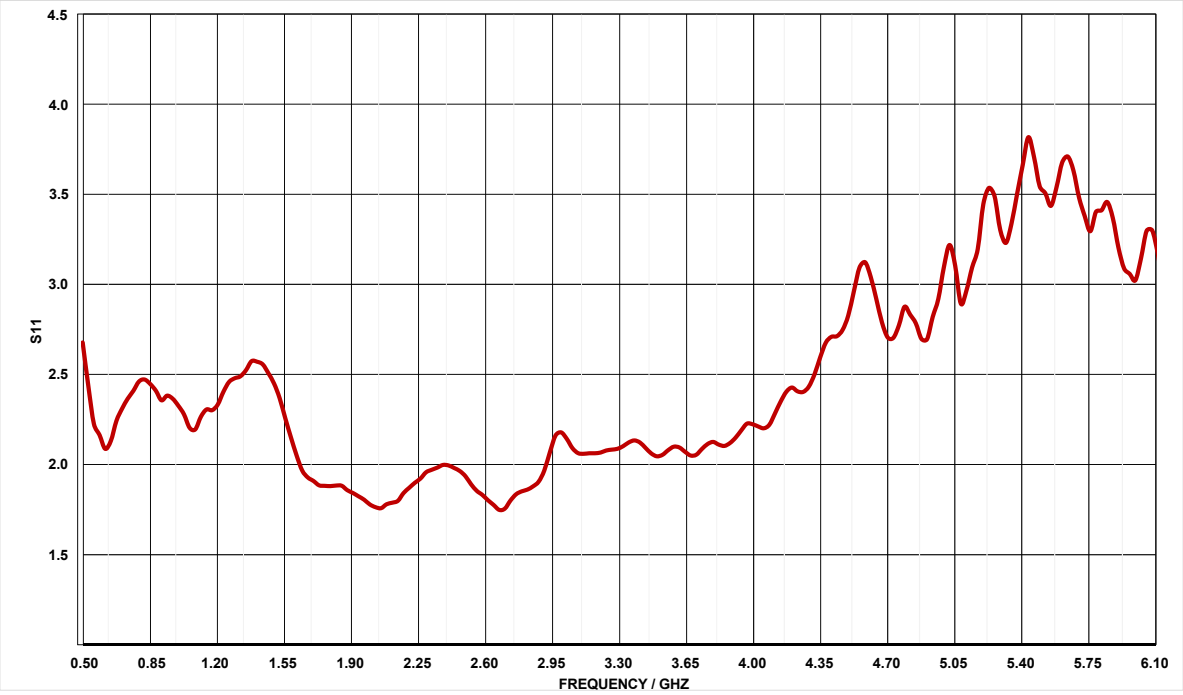
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Radiated Efficiency



Typical VSWR

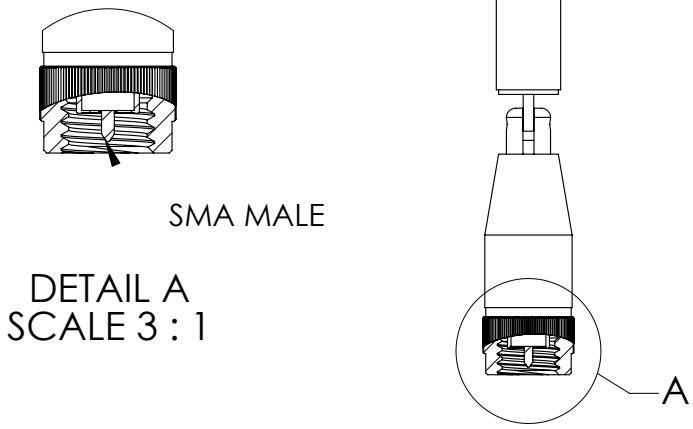


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CAD Data



SMA MALE

DETAIL A
SCALE 3 : 1

