

Product: PALO-4G/LTE

Product Order Code:
BM-02065/LTE

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

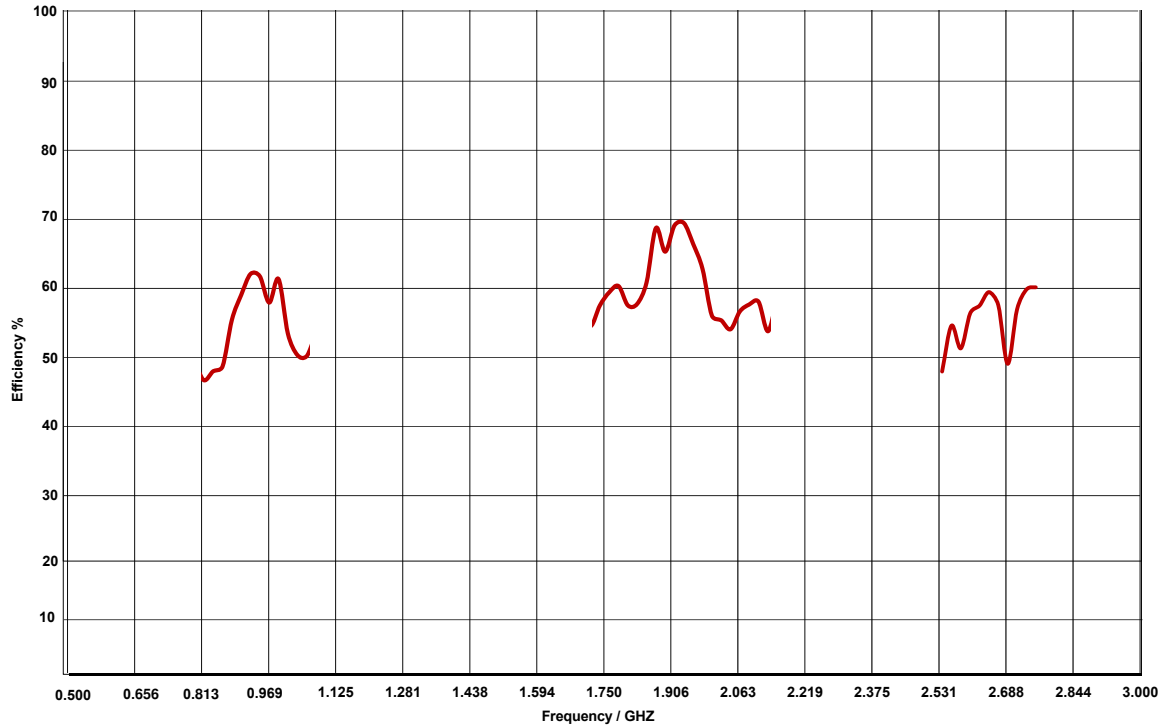
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|-------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Dimensions | 54mm (Overall Height) x 7.95mm (D) Base Diameter | |
| Weight | 12g | |
| Construction Materials | Base - Gold Plated Brass / 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 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; 0dBi @ 1710-1880 MHz; 2.14dBi @ 1920-2170 MHz; 2.14dBi @ 2300-2700 MHz; 0dBi |
| 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 (All Bands) | |
| Radiator Type | Monopole | |
| Connector | SMA Male Gold Plated | |
| Test & Measurement Conditions | Fixed Upon 150mm x 150mm Ground Plane | |

dBi: Referenced to an isotropic radiator

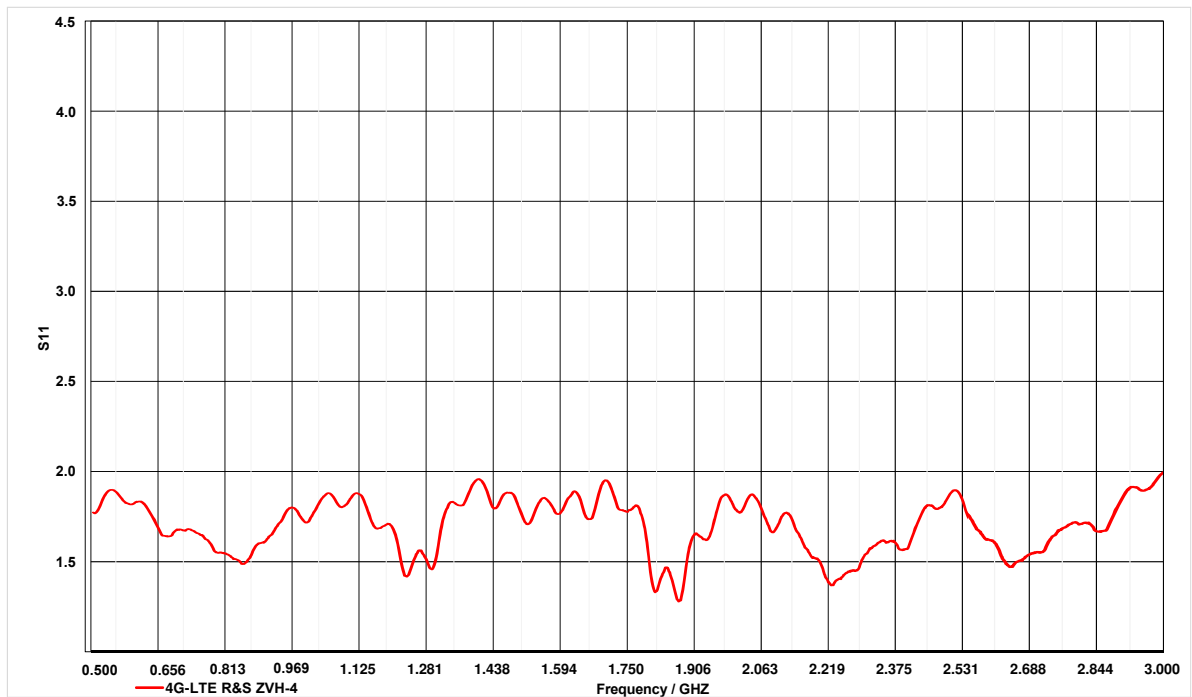
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Radiated Efficiency



Typical VSWR



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CAD Data

