



Your antenna design partner

**LTE Wide Band Antenna
698 - 2700 MHz**

Datasheet

LTE Wide Band Antenna

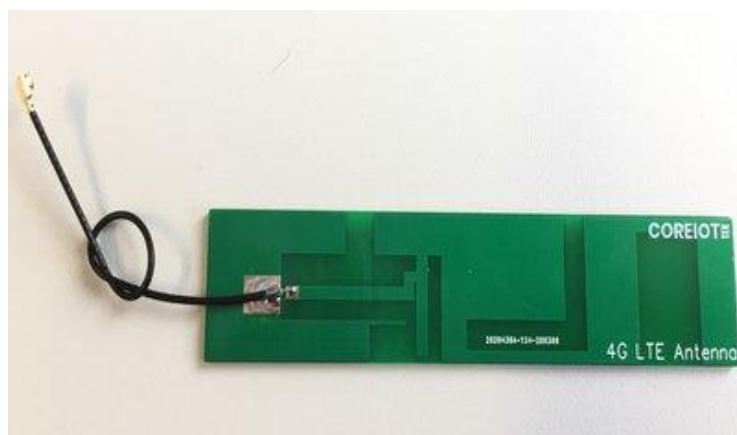
698 MHz - 2700 MHz

Electrical Specifications

1. Frequency: 698 – 2700 MHz
2. Impedance: 50 Ω

Applications

1. All Cellular
2. 2.4GHz
3. Wi-Fi
4. ISM
5. AGPS



| BAND | 700/850/900 | 1700/1800/1900 | 2100 | 2400 | 2600 |
|-----------------------|------------------|----------------|-------------|-------------|-------------|
| STANDARD | CELLULAR | CELLULAR | CELLULAR | ISM | CELLULAR |
| Frequency(MHz) | 698 - 960 | 1710 - 1990 | 1755 - 2170 | 2400 - 2500 | 2500 - 2690 |
| Max. VSWR | ≤8.23:1 | ≤4.21:1 | ≤5:1 | ≤1.8:1 | ≤3.3:1 |
| Max. Return loss (dB) | ≥2.12 | ≥4.2 | ≥3.52 | ≥10.44 | ≥5.4 |
| Peak gain(dBi) | ≥-6.44 | ≥-0.66 | ≥-1.05 | ≥1.30 | ≥1.99 |
| Efficiency(%) | ≥10 | ≥30 | ≥30 | ≥58 | ≥67 |
| Radiation properties | Omni Directional | | | | |
| Max. input power | 2W | | | | |
| Polarization | Linear | | | | |
| Impedance(ohms) | 50 ohms | | | | |

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Equipment Used

1. ETS 8050 Antenna Anechoic Chamber
2. Keysite 5071C VNA (Radiation Pattern Measurement)
3. Agilent 5071C VNA (Return Loss Measurement)

Features

1. Ground plane Independent
2. 698 - 2700 MHz
3. >10% Efficiency on All bands
4. -6.44 dBi Peak Gain
5. 98*20*1 mm size
6. Adhesive Tape/Glass Mount Design
7. IPEX MHFI, UFL Compatible

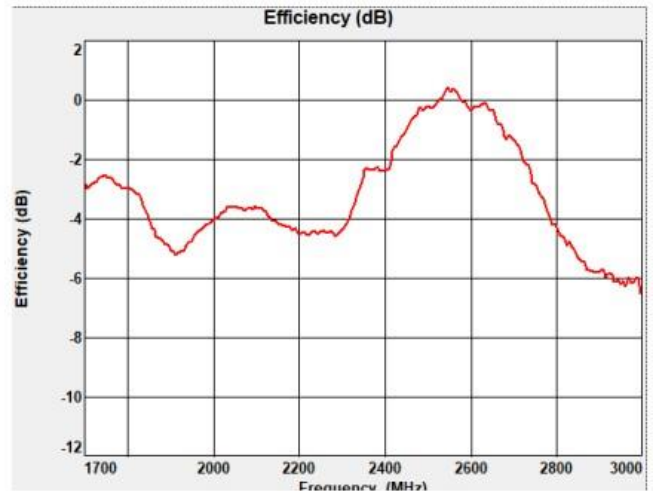
Return Loss



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Efficiency



Radiation Pattern

