

# CoreloT

Your antenna design partner



## CoreloT External 4G LTE Antenna DataSheet

Datasheet

# EXTERNAL 4G LTE ANTENNA DATASHEET

## Introduction

The CoreIoT LTE Antenna is primarily designed for use with 4G LTE modules and devices that require the highest possible efficiency and peak gain to deliver best in class throughput on all major cellular (2g/3g/4g) bands worldwide for access points, terminals and routers. The antenna is a ground plane independent antenna with a SMA (M) connector and swivel mechanism that allows the antenna part to be rotated. It has a quality robust IP67 UV resistant housing for use with wireless terminals.

## Features

1. Passive Antenna
2. Frequency Bands : 698-960, 1710-2171, 2300-2690
3. Size of antenna 184\*24\*13mm
4. >56% Efficiency
5. Max. Realized gain > 2.0 dBi
6. Linear Polarization
7. SMA Connector

## Applications

1. LTE 4G
2. 3G/2G/WCDMA
3. NB IoT
4. IoT Applications
5. ISM

Technical Data	
Frequency Bands (MHz)	698-960, 1710-2171, 2300-2690
VSWR	< <b>4.4</b> for 698-960 MHz < <b>3.6</b> for 1710-2171 MHz < <b>1.57</b> for 2300-2690 MHz
Return loss (dB)	< <b>-4.0dB</b> for 698-960 MHz < <b>-5.0dB</b> for 1710-2171 MHz < <b>-13dB</b> for 2300-2690 MHz
Peak gain(dBi)	Max <b>0.06</b> for 698-960 MHz Max <b>2.17</b> for 1710-2171 MHz Max <b>2.0</b> for 2300-2690 MHz
Efficiency(%)	> <b>56%</b> for 698-960 MHz > <b>57%</b> for 1710-2171 MHz > <b>86%</b> for 2300-2690 MHz
Radiation properties	Omni-Directional
Max. input power	2W
Polarization	Linear Polarized
Impedence(ohms)	50