



MR2118 Indoor Coverage and High Speed Data Enhancer for 2100 MHz UMTS and 2100 MHz LTE Applications

Product Classification

Product Type RF repeater unit

General Specifications

Antenna Interface at Repeater SMA Female
Indoor Antenna Optional, not included
Optional Antenna Gain 2 dBi
Optional Antenna Type Omni
Performance Note Values typical, unless otherwise stated
Supervision/Control Option Heartbeat via SMS | Remote control

Dimensions

Height 240 mm | 9.449 in
Width 240 mm | 9.449 in
Optional Antenna Length 90 mm | 3.543 in
Depth 35 mm | 1.378 in

Electrical Specifications

Return Loss 10 dB
Gain 75 dB
Gain Adjustment Range 30 dB
License Band LTE 2100 | UMTS 2100
Local Power 6 Vdc
Mains Power 100–240 Vac
Power Consumption 20 W

Electrical Specifications, Rx (Uplink)

Operating Frequency Band	1920 – 1980 MHz
Output Power @ One Carrier	18 dBm
Output Power @ Two Carriers	15 dBm
Output Power Note	Possible slight degradation of LTE requirement unwanted emission limit at certain passband adjustments and carrier constellation

Electrical Specifications, Tx (Downlink)

Operating Frequency Band	2110 – 2170 MHz (AWS 1700)
Output Power @ One Carrier	18 dBm
Output Power @ Two Carriers	15 dBm

Environmental Specifications

Operating Temperature	+5 °C to +40 °C (+41 °F to +104 °F)
Ingress Protection Test Method	IEC 60529:2001, IP30

Packaging and Weights

Weight, net	1.5 kg 3.307 lb
--------------------	-------------------

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

EVM	Error Vector Magnitude
------------	------------------------