



Indoor Coverage for 1800 MHz GSM and 1800 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 Length 80.00 mm | 3.15 in
Optional Antenna Type Omni

Electrical Specifications

Gain 70 dB
License Band GSM 1800 | LTE 1800
Local Power 6 Vdc
Mains Power 100–240 Vac
Gain Adjustment Range 30 dB
Return Loss 10.0 dB
Power Consumption 20 W

Electrical Specifications Rx (Uplink)

Operating Frequency Band 1730 – 1785 MHz
Output Power @ One Carrier 18 dBm (GSM 05.05) | 18 dBm (3GPP)
Output Power @ Two Carriers 15 dBm (GSM 05.05) | 15 dBm (3GPP)
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 1825 – 1880 MHz
Output Power @ One Carrier 18 dBm (GSM 05.05) | 18 dBm (3GPP)
Output Power @ Two Carriers 15 dBm (GSM 05.05) | 15 dBm (UMTS)

Supervision And Control

Supervision/Control Option Heartbeat via SMS | Remote control

Environmental Specifications

Ingress Protection Test Method IEC 60529:2001, IP30

Operating Temperature +5 °C to +40 °C (+41 °F to +104 °F)

Dimensions

Depth 35.00 mm | 1.38 in

Height 240.00 mm | 9.45 in

Width 240.00 mm | 9.45 in

Net Weight 1.50 kg | 3.31 lb

Note

Performance Note Values typical, unless otherwise stated

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system

