Product Specifications

MR1918 | 7613702

Indoor Coverage for 1900 MHz PCS Applications

General Specifications

Antenna Interface at Repeater	SMA Female
Indoor Antenna	Optional; not included
Optional Antenna Gain	2 dBi
Optional Antenna Length	90.00 mm | 3.54 in
Optional Antenna Type	Omni

Electrical Specifications

Gain	78 dB
License Band	PCS 1900
Local Power	6 Vdc
Mains Power	100–240 Vac
Gain Adjustment Range	30 dB
Return Loss	10.0 dB
Power Consumption	20 W
Bandwidth	1–25 MHz (variable)
Bandwidth Increments	10 kHz
Electrical Note	Degradation at 1905–1910 MHz (Rx) and 1930–1935 MHz (Tx)
Flatness, maximum	±3 dB
Gain Adjustment Range Increments	1 dB
Group Delay, maximum	5.0 µs
Noise Figure, at maximum gain	8.0 dB
Spurious Emissions	-13 dBm

Electrical Specifications Rx (Uplink)

Operating Frequency Band	1850 – 1910 MHz
Output Power @ One Carrier	22 dBm (GSM) | 22 dBm (CDMA)
Output Power @ Two Carriers	19 dBm (CDMA) | 19 dBm (GSM)
Output ICP-3	41 dBm

Electrical Specifications Tx (Downlink)

Operating Frequency Band	1930 – 1990 MHz
Output Power @ One Carrier	22 dBm (GSM) | 22 dBm (CDMA)
Output Power @ Two Carriers	19 dBm (GSM) | 19 dBm (CDMA)
Output ICP-3	41 dBm

Supervision And Control

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Supervision/Control Option	Heartbeat via SMS | Remote control
General Alarm	Automatic level control | Current | Temperature

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	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

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