



MI-11604 TMA Twin UMTS Core version



MASS™

Microdata Advanced Site Solutions

With our expertise in site system design we are able to provide a solution for any site sharing or upgrade scenario.

Our focus area is RF-filter based solutions including combiners, multi band TMAs, di-, tri- and quadruplexers.

Our product portfolio supports all frequencies for mobile communication bands ranging from 450 MHz to 6 GHz.

Site and network sharing makes it cost efficient to reach sparsely populated areas where new subscribers can contribute to revenue.

MASS™

Advantage

Increases coverage

more traffic & higher ARPU

Increases capacity

more traffic & higher ARPU

Reduces the cost

of network expansion

Minimizes

site acquisition issues

Specifications

| Downlink (TX) Path | |
|---|------------------------------------|
| Frequency Band | 2110 - 2170 MHz |
| Insertion Loss | 0.3 dB* |
| Continuous Average Power | 200 W (53 dBm) |
| Intermodulation, 2x43 dBm TX Carrier BTS port | -125 dBm in RX band, ANT port |
| Uplink (RX) Path | |
| Frequency Band | 1920 - 1980 MHz |
| Gain | 12 dB nominal |
| Noise Figure | 1.3 dB* |
| Output IP3 | 25 dBm* |
| Power Supply and Alarm | |
| Input Voltage | 9 - 15 V |
| Normal Current | 110 - 130 mA |
| Environmental | |
| Operating Temperature Range | -40° to +65°C |
| Operation | ETS 300 019-1-4 |
| Storage | ETS 300 019-1-1 |
| Ingress Protection | IP68 |
| Miscellaneous | |
| EMC | EN 301 489-8 |
| Safety standards | EN 60950 |
| MTBF | 1.6 Mh/TMA min. |
| Mechanical | |
| Dimensions (WxHxD) | 152x174x50 mm |
| Connectors | 7/16 female, long neck |
| Mounting | Hose clamps, arbitrary orientation |
| Volume | 1.3 l |
| Weight | 2.5 kg |
| Colour | NCS 1502-R |
| | * typical |

