



MI-11603 TMA Twin UMTS



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*
Insertion Loss, Bypass mode	2.0 dB*
Output IP3	25 dBm*
Power Supply and Alarm	
Input Voltage	9 - 15 V
Normal Current	80 - 130 mA
Alarm Current	170 - 180 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	1.4 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

