



# MI-11203 TMA Twin 900 E-GSM



## 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	925 - 960 MHz
Insertion Loss	0.5 dB*
Continuous Average Power	200 W (53 dBm)
Intermodulation, 2x43 dBm TX Carrier BTS port	-116 dBm in RX band, ANT port
Uplink (RX) Path	
Frequency Band	880 - 915 MHz
Gain	12 dB nominal
Noise Figure	1.5 dB*
Insertion Loss, Bypass mode	1.7 dB*
Output IP3	25 dBm*
Power Supply and Alarm	
DC Supply Voltage via BTS-RF cable	9 - 17 V DC
DC Supply Current, normal mode	120 mA*
DC Supply Current, alarm mode, single level	Factory configurable, 160 - 300 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	1.2 Mh/TMA min.
Mechanical	
Dimensions (WxHxD)	235x280x83 mm
Connectors	7/16 female, long neck
Mounting	Hose clamps, arbitrary orientation
Volume	5.5 l
Weight	8.0 kg
Colour	NCS 1502-R
* typical	

