



# MI-11303

## TMA Twin 1800/900 BPE



### 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

Bypass Path	
Frequency Band	880 - 960 MHz
Insertion Loss	0.15 dB*
Continuous Average Power	200 W (53 dBm)
Intermodulation, 2x43 dBm TX Carrier BTS port	-110 dBm max. in RX band ANT port
Downlink (TX) Path	
Frequency Band	1805 - 1880 MHz
Insertion Loss	0.3 dB*
Continuous Average Power	200 W (53 dBm)
Intermodulation, 2x43 dBm TX Carrier BTS port	-116 dBm max. in RX band, ANT port
Uplink (RX) Path	
Frequency Band	1710 - 1785 MHz
Gain	12 dB nominal
Noise Figure	1.5 dB*
Insertion Loss, Bypass mode	2.0 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	100 mA *
DC Supply Current, alarm mode, single level	Factory configurable, 160 - 300mA
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)	262x303x69 mm
Connectors	6 x 7/16 female, long neck. 2 for BTS, 2 for 900 MHz antenna, 2 for 1800 MHz antenna
Mounting	Hose clamps, arbitrary orientation
Volume	5.2 l
Weight	8.6 kg
* typical	

