



MI-12101 TMA Twin 2100/1800 BP



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	1710 - 1880 MHz	
Insertion Loss	0.2 dB*	
Continuous Average Power	200 W (53 dBm)	
Intermodulation, 2x43 dBm TX Carrier BTS port	-116 dBm in RX band, ANT port	
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	-116 dBm in RX band, ANT port	
Uplink (RX) Path		
Frequency Band	1920 - 1980 MHz	
Gain	12 dB nominal	
Noise Figure	1.4 dB*	
Insertion Loss, Bypass mode	2.9 dB*	
Output IP3	25 dBm*	
Power Supply and Alarm		
	Current Alarm Mode	AISG - Mode
DC	9 - 15 V	9 - 30 V
Power	80 - 130 mA	<2 W
Alarm	170 - 190 mA	3Gpp/AISG 2.0 or AISG 1.1
Environmental		
Operating Temperature Range	-40 to +65°C	
Operation	ETS 300 019-1-4	
Storage	ETS 300 019-1-1	
Ingress Protection	IP67	
Miscellaneous		
EMC	EN 301 489-8	
Safety standards	EN 60950	
MTBF	1.2 Mh/TMA min.	
Mechanical		
Dimensions (WxHxD)	224x208x55 mm	
Connectors	BTS 7/16 F, ANT 7/16 F, AISG 8 pole circular	
Mounting	Hose clamps, arbitrary orientation	
Volume	2.0 l	
Weight	4.0 kg	
Colour	NCS 1502-R	
* typical		

