



# MI-12401 TMA Twin AWS



## 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	1710 - 1770 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		
DC	Current Alarm Mode	AISG - Mode
Power	9 - 15 V	9 - 30 V
Alarm	80 - 130 mA	< 2 W
	170 - 180 mA	3GPP/AISG 2.0
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)	152x174x50 mm	
Connectors	7/16 female, long neck AISG Female 8 pin circular	
Mounting	Hose clamps, arbitrary orientation	
Volume	1.3 l	
Weight	2.5 kg	
Colour	NCS 1502-R	
	* typical	

