



# MI-20710

## Same Band Combiner

### 850 reject, AISG



## 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	935 -960 MHz	
Insertion Loss	0.35 dB*	
Continuous Average Power	200 W (53 dBm)	
Intermodulation, 2x43 dBm TX Carrier BTS port	-116 dBm in TX band, ANT port	
Uplink (RX) Path		
Frequency Band	898.5 - 906.7 MHz	
Gain	12 dB nominal	
Noise Figure	1.7 dB*	
Insertion Loss, Bypass mode	5.0 dB, including splitter loss	
Output IP3	22 dBm*	
Rejection 889 MHz	50 dB	
Power Supply and Alarm		
	Current Alarm Mode	AISG - Mode
DC	9 - 15 V	9 - 30 V
Power	80 - 130 mA	< 2 W
Alarm	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	IP68	
Miscellaneous		
EMC	EN 301 489-8	
Safety standards	EN 60950	
MTBF	750,000 hours min	
Mechanical		
Dimensions (WxHxD)	168x275x73 mm	
Connectors	7/16 female, long neck	
Mounting	Hose clamps, arbitrary orientation	
Volume	3.4 l	
Weight	4.9 kg	
Colour	NCS 1502-R	
	* typical	

## Block Diagram

