

# MI-20701 Same Band Combiner

## **MASS**<sup>TM</sup>

#### **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 TM Advantage

### **Increases coverage**

more traffic & higher ARPU

#### **Increases capacity**

more traffic & higher ARPU

#### **Reduces the cost**

of network expansion

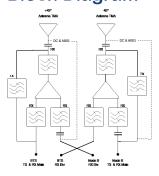
#### **Minimizes**

site acquisition issues

## **Specifications**

GSM900	
Frequency Band	880 - 960 MHz
Intermodulation, 2x43 dBm TX Carrier BTS port	-160 dBc
Isolation	TX to RX >38 dB, RX to RX >18 dB
Uplink (RX) Path	
Frequency Band	880 - 915 MHz
Insertion Loss	< 4 dB, including splitter loss
Return Loss	20 dB typ.*
Downlink (TX) Path	
Frequency Band	925 - 960 MHz
Insertion Loss	0.5 dB max.
Return Loss	20 dB typ.*
Average Power Handling	150 W
Power Supply and Alarm	
AISG Signal Attenuation	< 1 dB @ 2.176 MHz
Voltage Drop	1 V max. @ 3A
Supply Voltage Handling	0 - 32VDC
Continous Current Handling	0 - 32 VDC, 3A
Environmental	
Operating Temperature Range °C	-20 to +65°C
Operation	ETS 300 019-1-4
Storage	ETS 300 019-1-1
ngress Protection	IP65
Miscellaneous	
EMC	EN 301 489-8
Safety standards	EN 60950
MTBF	1.5 M hours
Mechanical	
Dimensions (WxHxD)	TBD
Connectors	7/16 (F)
/olume	TBD
Veight	TBD
Colour	NCS 1502-R

## **Block Diagram**



Page 1/1

MI-20701\_161107\_C.pdf