



# MI-20603

## Triplexer

### 800+900/1800/2100



## 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

<b>Port 1 (800+900) - Common</b>	
Frequency Band	824 - 960 MHz
Insertion Loss	0.15 dB typ, 0.2 dB max.
Return Loss, normal modes, all ports	20 dB *, (18 dB max.)
Rejection 1920 - 2170 MHz	50 dB
Rejection 1710 - 1880 MHz	60 dB
Continuous Average Power	250 W
Intermod. (IM3), 2x43 dBm TX Carrier	-116 dBm
<b>Port 2 (1800) - Common</b>	
Frequency Band	1710 - 1880 MHz
Insertion Loss, 1710 - 1785 MHz	0.2 dB
Insertion Loss, 1805 - 1880 MHz	0.2 dB
Return Loss	20 dB *, (18 dB max.)
Rejection 1920 - 2170 MHz	60 dB
Rejection 824 - 960 MHz	60 dB
Continuous Average Power	250 W
Intermod. (IM3), 2x43 dBm TX Carrier	-116 dBm
<b>Port 3 (2100) - Common</b>	
Frequency Band	1920 - 2170 MHz
Insertion Loss, 1920 - 1980 MHz	0.25 dB *, 0.5 dB max.
Insertion Loss, 2110 - 2170MHz	0.2 dB *, 0.25 dB max.
Return Loss	20 dB *, (18 dB max.)
Rejection 1710 - 1880 MHz	55 dB
Rejection 824 - 960 MHz	60 dB
Continuous Average Power	250 W
Intermod. (IM7), 2x43 dBm TX Carrier	-125 dBm
<b>Environmental</b>	
Operating Temperature Range	-40° to +65°C
Environmental	ETS 300 019
Ingress Protection	IP67
<b>Electrical</b>	
Lightning Protection	IEC61000-4.5, 10kA 8/20 μS
DC Pass Current	3.0 A continuous max.
AISG pass	Yes
MTBF	1 Mh min.
Safety	EN60950
<b>Mechanical</b>	
Dimensions (WxHxD)	170x150x51 mm
Connectors	7/16 female, long neck
Mounting	Hose clamps or wall mount
Volume	1.3 l
Weight	2.6 kg
Colour	NCS 1502-R (light grey)
* typical	

