MI-201nn
Diplexer

See Note 1

The MI-201nn family of cavity diplexer products, include:

- ***MI-201n1**, diplexer with DC/AISG on Common – High Band*
- ***MI-201n2**, diplexer with DC/AISG on Common – Low Band*
- ***MI-201n3**, diplexer with DC/AISG on Common – High & Low Band*
- ***MI-201n4**, diplexer with DC/AISG on Both High & Low ports DC grounded*

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

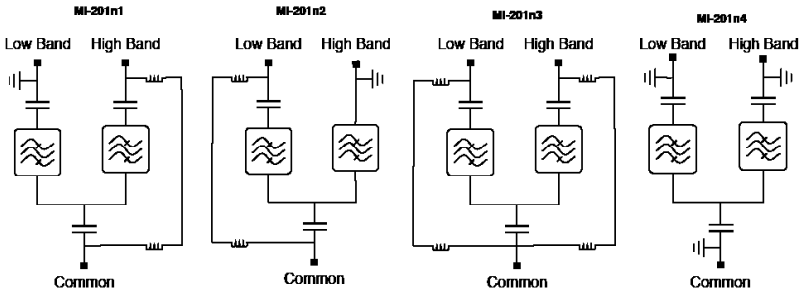
1800	
Frequency Band	1710 - 1880 MHz
Insertion Loss, 1710 - 1785 MHz	0.15 dB *, 0.2 dB max.
Insertion Loss, 1805 - 1880 MHz	0.15 dB *, 0.4 dB max.
Return Loss	20 dB *, (18 dB max.)
Rejection 1920 - 2170 MHz	60 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-116 dBm
2100	
Frequency Band	1920 - 2170 MHz
Insertion Loss, 1920 - 1980 MHz	0.25 dB *, 0.5 dB max., see Note 2
Insertion Loss, 2110 - 2170MHz	0.15 dB *, 0.2 dB max.
Return Loss	20 dB *, (18 dB max.)
Rejection 1710 - 1880 MHz	58 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-125 dBm (IM7)
Environmental	
Operating Temperature Range	-40 to +65°C
Operation	ETS 300 019-1-4
Storage	ETS 300 019-1-1
Ingress Protection	IP67
Electrical	
DC By Pass	3 A
AISG pass	Yes
Lightning Protection	3 kA 10/350 µs, 10 kA 8/20 µs
Mechanical	
Dimensions (WxHxD)	142x150x50 mm
Connectors	7/16 long neck, Common F, Bands M
Mounting	Hose clamps or wall mount
Volume	1.1 l
Weight	2.1 kg
Colour	NCS 1502-R

* Typical

Single mount	Dual mount	Connector 7/16		Single mount	Dual mount	Connector 7/16	
		Common	Bands			Common	Bands
MI-20101	MI-20111	F	F	MI-20121	MI-20131	F	M
MI-20102	MI-20112	F	F	MI-20122	MI-20132	F	M
MI-20103	MI-20113	F	F	MI-20123	MI-20133	F	M
MI-20104	MI-20114	F	F	MI-20124	MI-20134	F	M

Note 1: All single unit filters e.g. MI-2012n are available in a dual filter configuration i.e. MI-2013n. The dual filter configuration is mounted on a single bracket for hose clamp or wall mount.

Note 2: If TMA is used on 2100, this loss has very little significance.



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