



MI-297nn Diplexer 1800-2300/2600

The MI-297nn family of cavity diplexer products, include:

- **MI-297n1**, all ports DC grounded
- **MI-297n2**, diplexer with DC/AISG on Common – High & Low Band
- **MI-297n3**, diplexer with DC/AISG on Common - High Band, Low port DC grounded
- **MI-297n4**, diplexer with DC/AISG on Common - Low Band, High port 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

Low band	
Frequency Band	1710 - 2400 MHz
Insertion Loss	<0.2 dB
Return Loss	>18 dB
Rejection 2500- 2690 MHz	>50 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-116 dBm
High Band	
Frequency Band	2500 - 2690 MHz
Insertion Loss	0.2 dB typ, 0.3 dB max.
Return Loss	>18 dB
Rejection 1710 - 2400 MHz	>50 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-116 dBm
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
Mechanical	
Dimensions (WxHxD)	150 x 150 x 50 mm
Connectors	7/16 long neck, Female
Mounting	Hose clamps or wall mount
Volume	1.2 l
Weight	2.3 kg
Colour	NCS 1502-R
* Typical	
Values are subject to change without notice	
Single mount	Dual mount
MI-29701	MI-29711
MI-29702	MI-29712
MI-29703	MI-29713
MI-29704	MI-29714

The dual filter configuration is mounted on a single bracket for hose clamp or wall mount.

