MI-289nn
Diplexer 700/850

The MI-289nn family of cavity diplexer products, include:
- ***MI-289n1**, all ports DC grounded*
- ***MI-289n2**, diplexer with DC/AISG on Common – High & Low Band*
- ***MI-289n3**, diplexer with DC/AISG on Common - High Band, Low port DC grounded*
- ***MI-289n4**, 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

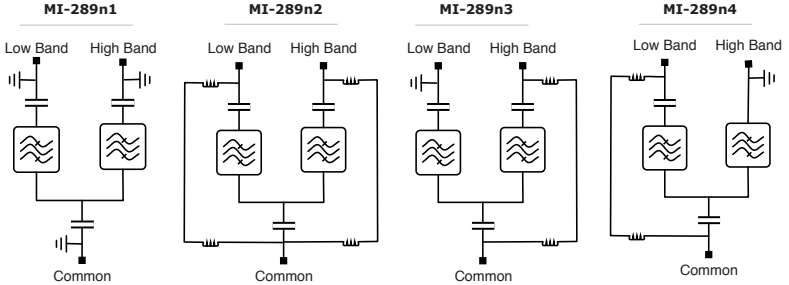
Low band	
Frequency Band	703 - 803 MHz
Insertion Loss	0.2 dB typ, 0.4 dB max.
Return Loss	>18 dB
Rejection 824- 890 MHz	>50 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-116 dBm
High Band	
Frequency Band	824 - 890 MHz
Insertion Loss	0.2 dB typ, 0.4 dB max.
Return Loss	>18 dB
Rejection 703 - 803 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)	187 x 159 x 69 mm
Connectors	7/16 long neck, Female
Mounting	Hose clamps or wall mount
Volume	2.0 l
Weight	3.5 kg
Colour	NCS 1502-R

* Typical

Values are subject to change without notice

Single mount	Dual mount
MI-28901	MI-28911
MI-28902	MI-28912
MI-28903	MI-28913
MI-28904	MI-28914

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



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