



MI-548nn

8:4 Diplexer 1800-2100/2300-2700



The MI-548nn family of cavity diplexer products include:

- **MI-548n1**, diplexer with all ports DC grounded
- **MI-548n2**, diplexer with DC/AISG on Common – High & Low Band
- **MI-548n3**, diplexer with DC/AISG on Common - High Band, Low port DC grounded
- **MI-548n4**, 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

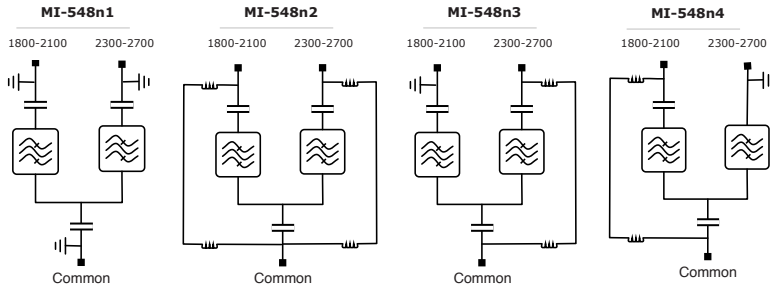
Specifications

Low band	
Frequency Band	1695 - 2200 MHz
Insertion Loss	< 0.2 dB*
Return Loss	> 18 dB
Rejection high band	50 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-117 dBm
High band	
Frequency Band	2300 - 2700 MHz
Insertion Loss	< 0.2 dB*
Return Loss	> 18 dB
Rejection low band	50 dB
Continuous Average Power	250 W
Intermodulation, 2x43 dBm TX Carrier	-117 dBm
Environmental	
Operating Temperature Range	-40 to +60°C -40 to +140°F
Operation	ETS 300 019-1-4 Class 4.1E
Storage	ETS 300 019-1-1 Class 1.2
Ingress Protection	IP67
Electrical	
DC By Pass	3 A
AISG pass	Yes
Lightning Protection	10 kA 8/20 μs
Mechanical	
Dimensions (WxHxD)	239x110x90 mm 9.41x4.33x3.54 in
Connectors	4xANT, 8xBTS All type 7/16 connectors (MI-5480n) All type 4.3-10 connectors (MI-5483n)
Mounting (Supporter Pole Diameter: 40-140mm)	Hose clamps or wall mount
Volume	2.4 l
Weight	TBD kg lb
Colour	NCS 1502-R
Bracket	Included
*typical	

DC/AISG

	1800-2100	2300-2700
MI-548n1	Block	Block
MI-548n2	Pass	Pass
MI-548n3	Block	Pass
MI-548n4	Pass	Block

Block Diagram



Mechanical Drawing

*This picture is showing MI-54831

