



MI-296nn Triplexer 700/PCS/AWS



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

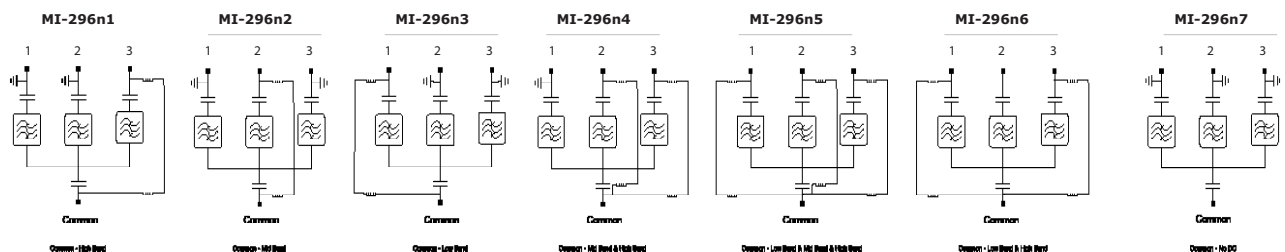
Minimizes

site acquisition issues

Specifications

Port 1 (700) - Common	
Frequency Band	698 - 746 MHz
Insertion Loss	< 0.2 dB
Return Loss	> 18 dB
Rejection 1710 - 2155 MHz	> 50 dB
Continuous Average Power	250 W
Intermod. (IM3), 2x 43 dBm TX Carrier	-117 dBm (160 dBc)
Port 2 (PCS) - Common	
Frequency Band	1850 - 1990 MHz
Insertion Loss	< 0.2 dB *
Return Loss	> 18 dB
Rejection 698 - 748 MHz	> 50 dB
Rejection 1710 - 1755, 2110-2155 MHz	> 50 dB
Continuous Average Power	250 W
Intermod. (IM3), 2x 43 dBm TX Carrier	-117 dBm (160 dBc)
Port 3 (AWS) - Common	
Frequency Band	1710 - 1755 MHz , 2110 - 2155 MHz
Insertion Loss	< 0.2 dB *
Return Loss	> 18 dB
Rejection 698 - 748 MHz	> 50 dB
Rejection 1850 - 1990 MHz	> 50 dB
Continuous Average Power	250 W
Intermod. (IM3), 2x 43 dBm TX Carrier	-117 dBm (160 dBc)
Environmental	
Operating Temperature Range	-40° to +65°C
Environmental	ETS 300 019
Ingress Protection	IP67
Electrical	
Lightning Protection	IEC61000-4.5
DC Pass Current	3.0 A continuous max.
AISG pass	Yes
MTBF	1 Mh min.
Safety	EN60950
Mechanical	
Dimensions (WxHxD)	170 x 150 x 50 mm
Connectors	7/16 female
Mounting	Hose clamps or wall mount
Volume	1.3 l
Weight	2.6 kg
Colour	NCS 1502-R (light grey)
* typical	

Single mount	Dual mount
MI-2960n	MI-2961n



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