



MI-233nn Triplexer 800/900/1800-2100



*This photo is showing MI-23301

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

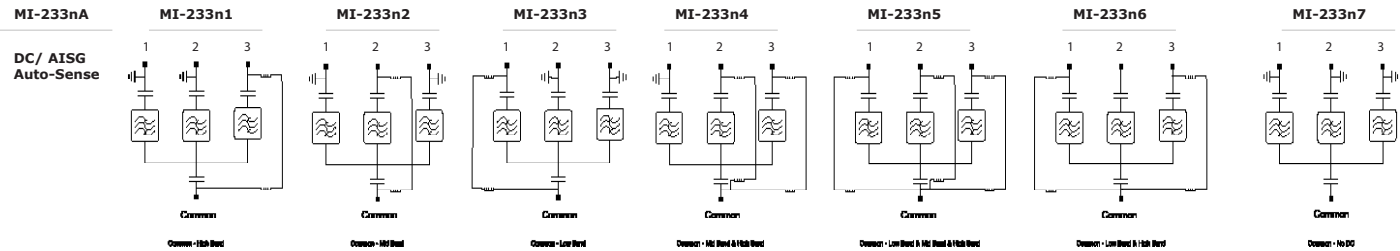
Port 1 (800) - Common		
Frequency Band	790 - 862 MHz	
Insertion Loss	0.2 dB*, 0.4 dB max	
Return Loss, normal modes, all ports	> 18 dB	
Rejection 880 - 2690 MHz	> 50 dB (>30 dB 900 RX)	
Continuous Average Power	250 W	
Intermod. (IM3), 2x43 dBm TX Carrier	-116 dBm	
Port 2 (900) - Common		
Frequency Band	880 - 960 MHz	
Insertion Loss	0.2 dB*, 0.4 dB max	
Return Loss	> 18 dB	
Rejection 790 - 862 MHz	> 50 dB TX >30 dB RX	
Rejection 1710 - 2170 MHz	> 50 dB	
Continuous Average Power	250 W	
Intermod. (IM3), 2x43 dBm TX Carrier	-116 dBm	
Port 3 (1800-2100) - Common		
Frequency Band	1710 - 2170 MHz	
Insertion Loss, 1710 - 2170 MHz	0.2 dB*, 0.4 dB max	
Return Loss	> 18 dB	
Rejection 790 - 960 MHz	50 dB	
Continuous Average Power	250 W	
Intermod. (IM3), 2x43 dBm TX Carrier	-116 dBm	
Environmental		
Operating Temperature Range	-40° to +65°C	
Environmental	ETS 300 019	
Ingress Protection	IP68	
Electrical		With Auto-Sense
DC By Pass	3 A	2 A, drop max 2.4 V
AISG pass	Yes	
AISG RL		>12 dB
AISG Loss		<1 dB
Lightning Protection		10 kA 8/20 µs
Input Voltage Power		8-31 V max 0.3 W
Mechanical		
Dimensions (WxHxD)	220 x 160 x 60 mm	
Connectors	See Selection Guide	
Mounting	Hose clamps or wall mount	
Volume	2.1 l	
Weight	3.2 kg	
Colour	NCS 1502-R (light grey)	
* typical		

Selection Guide

		Connector (F)	
		7/16	4.3-10
Mount	Single	MI-2330n	MI-2333n
	Dual	MI-2331n	MI-2334n

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

Block Diagram



Mechanical Drawing

*This picture is showing MI-2331n

