



MI-261nn

Quadruplexer

1800/2100/2300/2600

Specifications

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

Port 1 (1800) - Common		
Frequency Band	1710 - 1880 MHz	
Insertion Loss	< 0.2 dB*	
Return Loss, normal modes, all ports	> 18 dB	
Rejection to other bands	50 dB	
Continuous Average Power	250 W, 500 W total on common port	
Intermod. (IM3), 2x43 dBm TX Carrier	-117 dBm	
Port 2 (2100) - Common		
Frequency Band	1920 - 2170 MHz	
Insertion Loss, 1920 - 1980 MHz	< 0.2 dB*	
Insertion Loss, 2110 - 2170MHz	< 0.2 dB*	
Return Loss	> 18 dB	
Rejection to other bands	50 dB	
Continuous Average Power	250 W, 500 W total on common port	
Intermod. (IM7), 2x43 dBm TX Carrier	-117 dBm	
Port 3 (2300) - Common		
Frequency Band	2300 - 2400 MHz	
Insertion Loss	< 0.2 dB*	
Return Loss	> 18 dB	
Rejection to other bands	50 dB	
Continuous Average Power	250 W, 500 W total on common port	
Intermod. (IM7), 2x43 dBm TX Carrier	-117 dBm	
Port 4 (2600) - Common		
Frequency Band	2500 - 2690 MHz	
Insertion Loss, 2500 - 2690 MHz	< 0.2 dB*	
Return Loss	> 18 dB	
Rejection to other bands	50 dB	
Continuous Average Power	250 W, 500 W total on common port	
Intermod. (IM3), 2x43 dBm TX Carrier	-117 dBm	
Environmental		
Operating Temperature Range	-40° to +65°C -40° to +149°F	
Environmental	ETS 300 019-1-4 Class 4.1E	
Ingress Protection	IP67	
Safety	IEC/EN 62368-1	
Electrical		With Auto-Sense
Lightning Protection	+/-5 kA 8/20 µs	+/-5 kA 8/20 µs
DC Pass Current	3.0 A continuous max.	2 A, drop max 2.4V
AISG pass	Yes	
MTBF	1 Mh min.	1 Mh min.
Input Voltage Power		8-30 V Max 0.3W
Mechanical		Single Mount
Dimensions (WxHxD)	225x160x49 mm	225x160x89 mm
	8.86x6.30x1.93 in	8.86x6.30x3.50 in
With Auto-Sense	225x160x63 mm	225x160x118 mm
	8.86x6.30x2.48 in	8.86x6.30x4.65
Connectors	See Selection Guide	
Volume	1.7 l	2.9 l
Weight	2.8 kg 6.2 lb	4.6 kg 10.1 lb
	2.9 kg 6.4 lb	4.8 kg 10.5 lb
Mounting	Hose clamps or wall mount. Supporter Pole Diameter: 40-140mm	
Colour	NCS 1502-R (light grey)	
Bracket	Included	

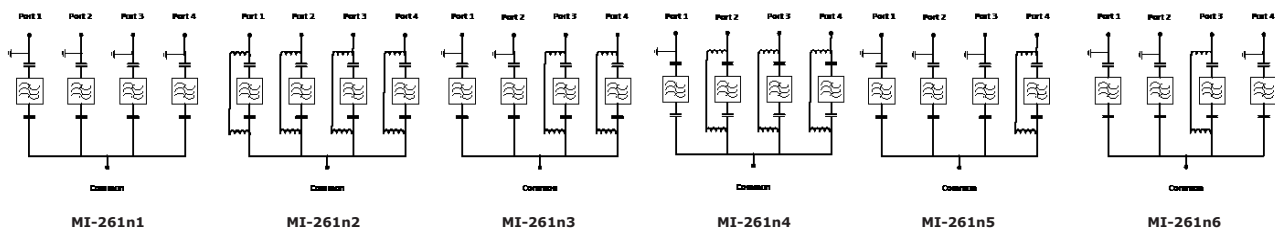
Selection Guide

		Connector (f)	
		7/16	4.3-10
Mount	Single	MI-2610n	MI-2613n
	Dual	MI-2611n	MI-2614n

DC/AISG

	1800	2100	2300	2600
MI-261nA	Auto-Sense			
MI-261n1	Block	Block	Block	Block
MI-261n2	Pass	Pass	Pass	Pass
MI-261n3	Block	Block	Pass	Pass
MI-261n4	Block	Pass	Pass	Pass
MI-261n5	Block	Block	Block	Pass
MI-261n6	Block	Block	Pass	Block

Block Diagram



Mechanical Drawing

This picture is showing MI-2613n and MI-2614n

