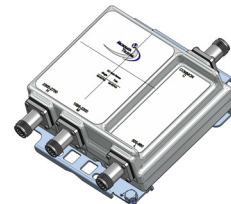




MI-537nn Triplexer 600 - 900/1800 - 2100/2300 - 2600



*This photo is showing MI-5373A

MASS™

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 (600 - 900) - Common				
Frequency Band	555 - 960 MHz			
Insertion Loss	< 0.2 dB*			
Return Loss	> 20 dB			
Rejection 1695 - 2200 MHz	> 50 dB			
Rejection 2300 - 2700 MHz	> 50 dB			
Continuous Average Power / Peak Power	250 W / 2000 W			
Intermod. (IM3), 2x43 dBm TX Carrier	-117 dBm			
Port 2 (1800 - 2100) - Common				
Frequency Band	1695 - 2200 MHz			
Insertion Loss	< 0.2 dB*			
Return Loss	> 20 dB			
Rejection 555 - 960 MHz	> 50 dB			
Rejection 2300 - 2700 MHz	> 50 dB			
Continuous Average Power / Peak Power	250 W / 2000 W			
Intermod. (IM3), 2x43 dBm TX Carrier	-117 dBm			
Port 3 (2300 - 2600) - Common				
Frequency Band	2300 - 2700 MHz			
Insertion Loss	< 0.2 dB*			
Return Loss	> 20 dB			
Rejection 555 - 2200 MHz	> 50 dB			
Continuous Average Power / Peak Power	250 W / 2000 W			
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	IP68			
Safety	EN 60950			
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			
AISG RL		> 12 dB		
AISG Loss		< 1 dB		
MTBF	1 Mh min	1 Mh min		
Input Voltage Power		8-31 V Max 0.3W		
Mechanical		Single Mount	With Auto-Sense	Dual Mount
Dimensions (WxHxD)		190x160x50.2 mm	190x160x61.2 mm	190x160x106 mm
(without connectors and brackets)		7.48x6.30x1.98 in	7.48x6.30x2.41 in	7.48x6.30x4.17 in
Volume		1.5 l	1.9 l	3.2 l
Weight		< 3kg		< 6.61 lb
Connectors		See Selection Guide		
Mounting		Hose clamps or wall mount (Supporter Pole Diameter: 40-140mm)		
Colour		NCS 1502-R (light grey)		
Bracket		Included		
* typical				
- Values are subject to change without notice				

Selection Guide

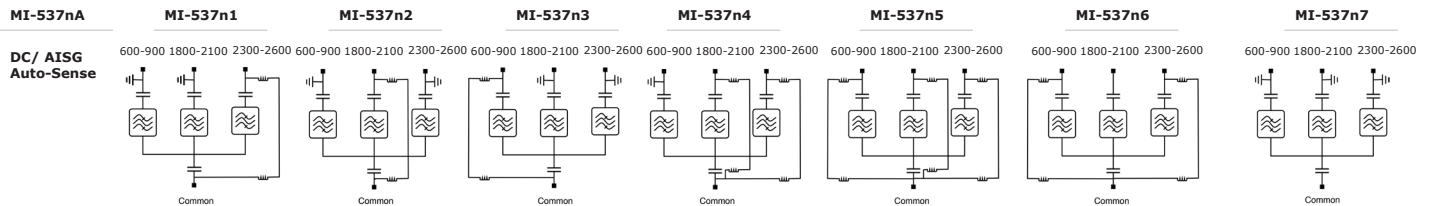
		Connector (F)	
		7/16	4.3-10
Mount	Single	MI-5370n	MI-5373n
	Dual	MI-5371n	MI-5374n

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

DC/AISG

	600-900	1800-2100	2300-2600
MI-537nA	Auto-Sense		
MI-537n1	Block	Block	Pass
MI-537n2	Block	Pass	Block
MI-537n3	Pass	Block	Block
MI-537n4	Block	Pass	Pass
MI-537n5	Pass	Pass	Pass
MI-537n6	Pass	Block	Pass
MI-537n7	Block	Block	Block

Block Diagram



Mechanical Drawing

*This picture is showing MI-53701

*This picture is showing MI-5370A

