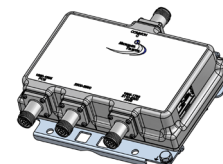




MI-539nn

Triplexer

AWS/PCS/2300 - 2600



*This photo is showing MI-53931

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 (AWS) - Common		
Frequency Band	1695 - 1780, 2110-2200 MHz	
Insertion Loss	< 0.3 dB*	
Return Loss	20 dB*, 18 dB max	
Rejection PCS	> 50 dB	
Rejection 2300 - 2690 MHz	> 50 dB	
Continuous Average Power / Peak Power	250 W / 2000 W	
Intermod. (IM3), 2x43 dBm TX Carrier	-117 dBm	
Port 2 (PCS) - Common		
Frequency Band	1850 - 1995 MHz	
Insertion Loss	< 0.3 dB*	
Return Loss	20 dB*, 18 dB max	
Rejection AWS	> 50 dB	
Rejection 2300 - 2690 MHz	> 50 dB	
Continuous Average Power / Peak Power	250 W / 2000 W	
Intermod. (IM3), 2x43 dBm TX Carrier	-117 dBm	
Port 3 (2300 - 2690) - Common		
Frequency Band	2300 - 2690 MHz	
Insertion Loss	< 0.3 dB*	
Return Loss	20 dB*, 18 dB max	
Rejection AWS	> 50 dB	
Rejection PCS	> 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	
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
Safety	EN 60950	
Mechanical		Dual Mount
Dimensions (WxHxD)	175x150x50 mm 6.9x5.9x2.0 in	To be added
With Auto-Sense	175x150x61 mm 6.9x5.9x2.4 in	
Volume	1.3 l	
With Auto-Sense	1.6 l	
Weight	< 3kg <6.61 lb	
With Auto-Sense	To be added	
Connectors	See Selection Guide	
Mounting	Hose clamps or wall mount (Supporter Pole Diameter: 40-140mm)	
Colour	NCS 1502-R (light grey)	
Bracket	Included	
*typical		



MI-539nn Triplexer AWS/PCS/2300 - 2600

Selection Guide

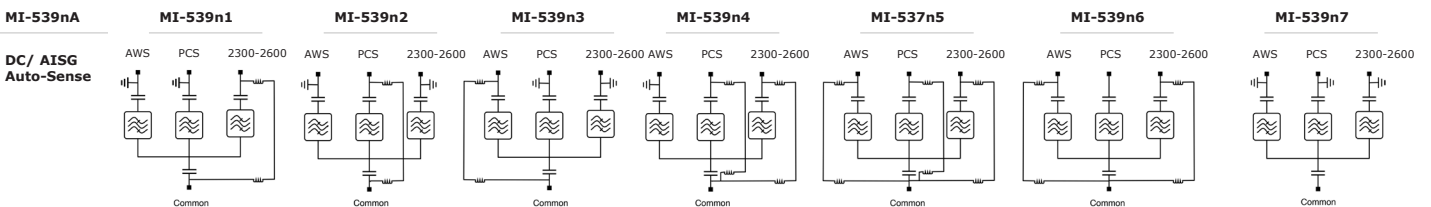
		Connector (F)	
		7/16	4.3-10
Mount	Single	MI-5390n	MI-5393n
	Dual	MI-5391n	MI-5394n

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

DC/AISG

	AWS	PCS	2300-2600
MI-539nA	Auto-Sense		
MI-539n1	Block	Block	Pass
MI-539n2	Block	Pass	Block
MI-539n3	Pass	Block	Block
MI-539n4	Block	Pass	Pass
MI-539n5	Pass	Pass	Pass
MI-539n6	Pass	Block	Pass
MI-539n7	Block	Block	Block

Block Diagram



Mechanical Drawing

*This picture is showing MI-53931

