



MI-569nn Triplexer 800/900/L-band



This picture is showing MI-5690n

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	791 - 862 MHz	
Insertion Loss	0.2 dB*, 0.4 dB max.	
Return Loss	>18 dB	
Rejection 925 - 960 MHz	>50 dB	
Rejection 1452 - 1517 MHz	>50 dB	
Continuous Average Power	250 W	
Intermodulation, 2x43 dBm TX Carrier	-117 dBm	
Port 2 (900) - Common		
Frequency Band	880 - 960 MHz	
Insertion Loss	0.2 dB*, 0.4 dB max.	
Return Loss	>18 dB	
Rejection 791 - 821 MHz	>50 dB	
Rejection 1452 - 1517 MHz	>50 dB	
Continuous Average Power	250 W	
Intermodulation, 2x43 dBm TX Carrier	-117 dBm	
Port 3 (L-band) - Common		
Frequency Band	1427 - 1517 MHz	
Insertion Loss	0.2 dB*, 0.3 dB max.	
Return Loss	>18 dB	
Rejection 791 - 862 MHz	>50 dB	
Rejection 880 - 960 MHz	>50 dB	
Continuous Average Power	250 W	
Intermodulation, 2x43 dBm TX Carrier	-117 dBm	
Environmental		
Operating Temperature Range	-40 to +65°C -40 to +149°F	
Operation	ETS 300 019-1-4 Class 4.1E	
Storage	ETS 300 019-1-1 1.2	
Ingress Protection	IP68	
Electrical		With Auto-Sense
DC By Pass	3 A	2A, drop max 2.4V
AISG pass	Yes	
AISG RL		>12dB
AISG Loss		< 1 dB
Lightning Protection		5 kA 8/20 μs
Input Voltage Power		8-30 V max 0.3 W
Mechanical		Single Mount Dual Mount
Dimensions (WxHxD)	220x160x58 mm 8.66x6.30x2.28 in	To be added
Volume	2.0 l	
Weight (including brackets)	prep. 3.5 kg 7.72 lb	
Connectors	See Selection Guide	
Mounting	Hose clamps or wall mount. Supporter Pole Diameter: 40-140mm	
Colour	NCS 1502-R	
Bracket	Included	
* Typical		

Selection Guide

		Connector (F)	
		7/16	4.3-10
Mount	Single	MI-5690n	MI-5693n
	Dual	MI-5691n	MI-5694n

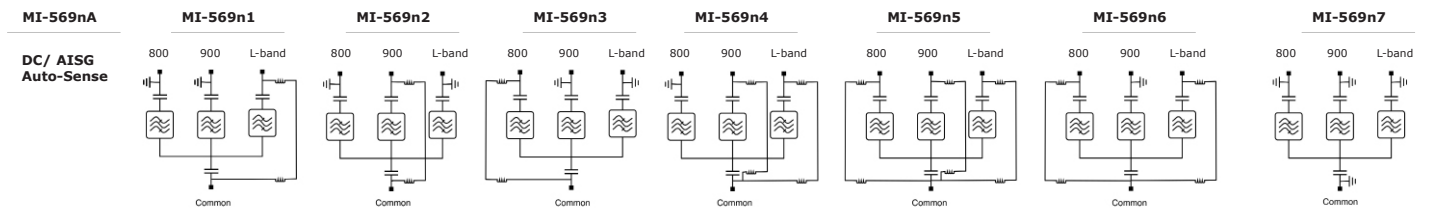
Auto-Sense: MI-569nA

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

DC/AISG

	800	900	L-band
MI-569nA	Auto-Sense		
MI-569n1	Block	Block	Pass
MI-569n2	Block	Pass	Block
MI-569n3	Pass	Block	Block
MI-569n4	Block	Pass	Pass
MI-569n5	Pass	Pass	Pass
MI-569n6	Pass	Block	Pass
MI-569n7	Block	Block	Block

Block Diagram



Mechanical Drawing

This picture is showing MI-5690n

