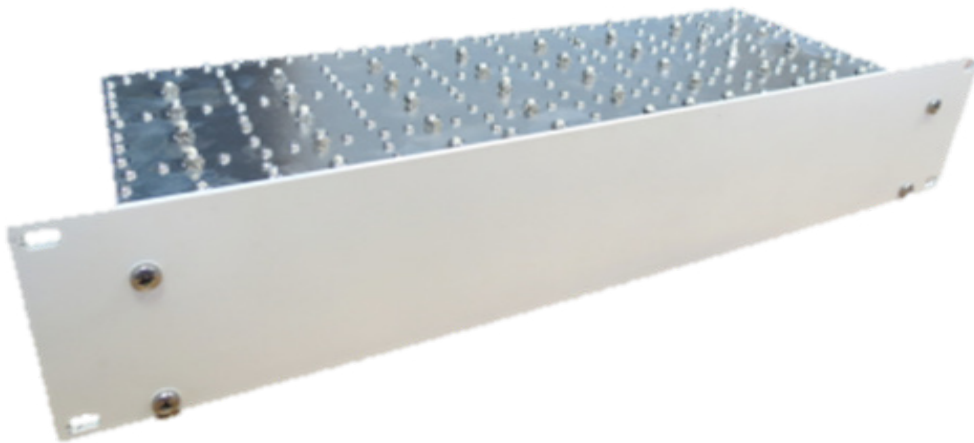


DUAL BANDPASS EXTERNAL ANTENNA DUPLEXER

Spec Sheet



The Mimomax Dual Bandpass MiMO Antenna Duplexer is a high performance, tuneable cavity RF Filter. With low insertion loss and a very compact footprint, the Dual channel format provides an economical site filter solution for congested sites where space is at a premium.

Using only 2U of rack height the Mimomax Dual Antenna filter provides a high quality stable filtering solution for two radio channels (MiMO) in one standalone compact mechanical packaging solution. Mimomax supplies the Dual Bandpass Filter pre-tuned and complete with a 19in 2U Front Panel ready for installation.

Note: The Mimomax Dual Bandpass Filter is also suitable for other radio equipment and can be used as an economical solution for multi-channel conventional trunked analogue or digital radio systems.



DUAL BANDPASS EXTERNAL ANTENNA DUPLEXER SPECIFICATIONS

Electrical Specifications				
Frequency Band	440-470MHz product variant			
	Example 1		Example 2	
	Low 1	High 1	Low 2	High 2
Frequency Range	439.5-440.5MHZ	449.5-450.5MHZ	439.5-440.5MHZ	444.5-445.5MHZ
Bandwidth	1 MHz (Typically)			
Insertion Loss	Typically < 1dB, worst case over temperature < 1.75dB			
Return Loss	≥20dB (typically); ≥15dB (-30°~70°)			
Rejection	≥85dB @ 450MHz ≥70dB @ 445MHz	≥85dB @ 440MHz ≥70dB @ 445MHz	≥85dB @ 450MHz ≥70dB @ 445MHz	≥85dB @ 435MHz ≥70dB @ 440MHz
Power	100W (Continuous)			
Impedance	50Ω			
Surface Finish	Silver Plated			
Operating Temperature	-30° to 70°			
Port Connectors	N-Female			
Weight	About 5.8kg			
Configuration	As Below (±0.2mm)			

Electrical Specifications				
Frequency Band	440-470MHz product variant			
	Example 1		Example 2	
	Low 1	High 1	Low 2	High 2
Frequency Range	459.5-460.5MHZ	469.5-470.5MHZ	464.5-465.5MHZ	469.5-470.5MHZ
Insertion Loss	Typically < 1dB, worst case over temperature < 1.75dB			
Return Loss	≥20dB (typically); ≥15dB (-30°~70°)			
Rejection	≥85dB @ 470MHz ≥70dB @ 465MHz	≥85dB @ 460MHz ≥70dB @ 465MHz	≥85dB @ 475MHz ≥70dB @ 470MHz	≥85dB @ 460MHz ≥70dB @ 465MHz
Power	100W (Continuous)			
Impedance	50Ω			
Surface Finish	Silver Plated			
Operating Temperature	-30° to 70°			
Port Connectors	N-Female			
Weight	About 5.8kg			
Configuration	As Below (±0.2mm)			

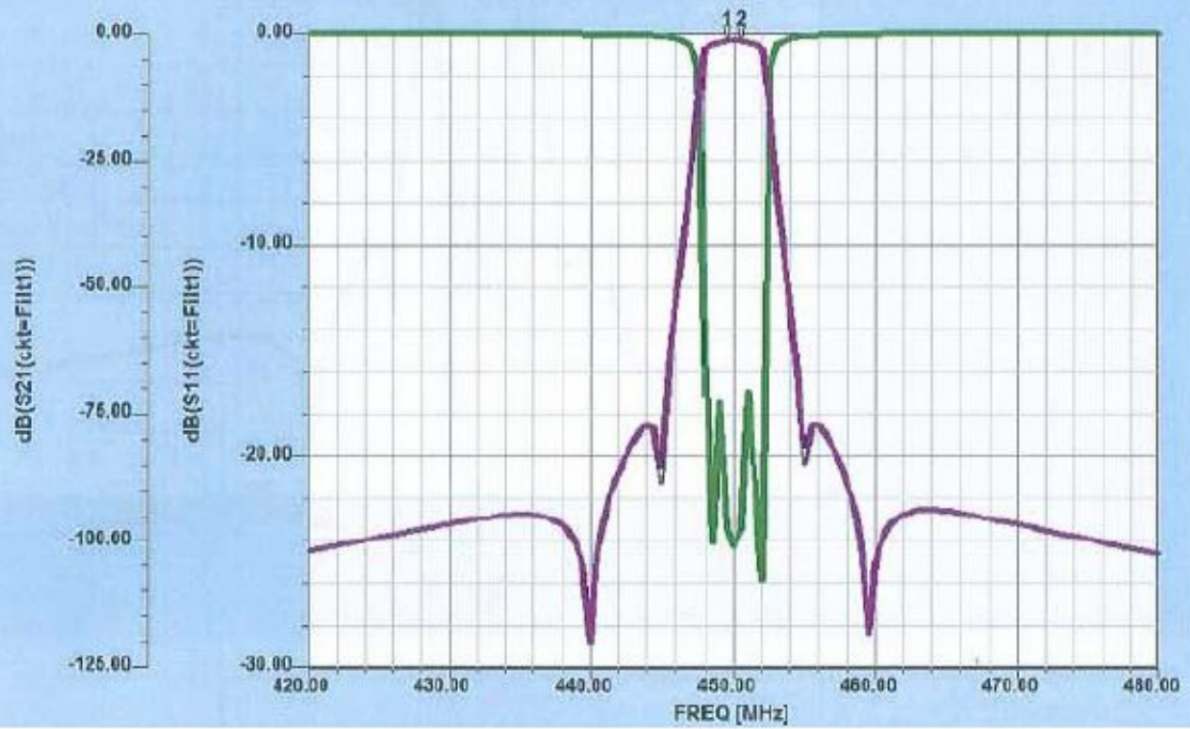
Product Orders		
Product Code	Frequency Band	Description
ACC-BPD-415-DB-XX00	400-430MHz	Dual MiMO Bandpass Duplexer (2x TX 2x RX)
ACC-BPD-450-DB-XX00	440-470MHz	Dual MiMO Bandpass Duplexer (2x TX 2x RX)
ACC-BPD-490-DB-XX00	470-500MHz	Dual MiMO Bandpass Duplexer (2x TX 2x RX)
ACC-BPD-510-DB-XX00	500-520MHz	Dual MiMO Bandpass Duplexer (2x TX 2x RX)
ACC-BPD-420-DB-XX00	410-425MHz	5MHz Passband, 410-415MHz, 420-425MHz
ACC-BPD-450-SG-XX00	450-470MHz	Single Bandpass Duplexer, can fit 2 in a 2U Rack

Important: Specifications are subject to change without prior notice

06/18/13

Port 1 Typical

19:39:51



06/26/13

Port 2 Typical

10:57:15

