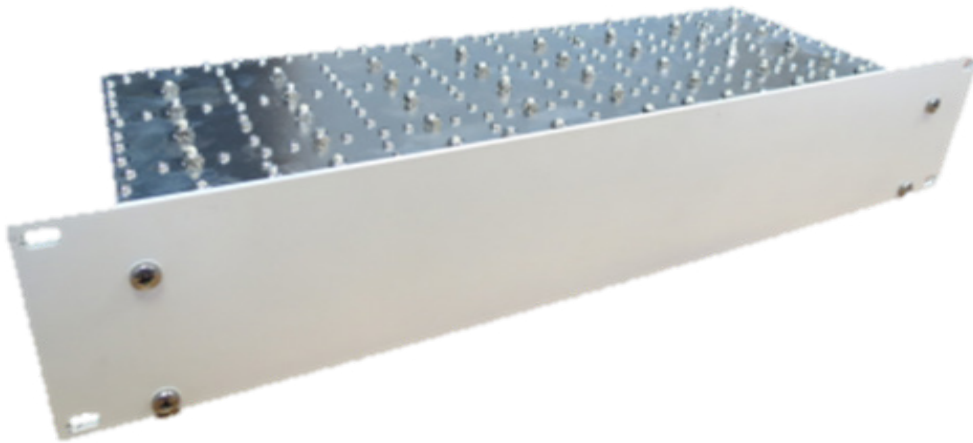


DUAL BAND PASS EXTERNAL DUPLEXER

Spec Sheet



The Mimomax Dual Bandpass 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 Duplexer 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 BAND PASS EXTERNAL DUPLEXER SPECIFICATIONS

Specifications (ACC-BPD-415-DB-XX0T)

Frequency Band	400-430MHz product variant							
	Example 1		Example 2		Example 3		Example 4	
	Low 1	High 1	Low 2	High 2	Low 1	High 1	Low 2	High 2
Frequency Range	399.5-400.5MHz	409.5-410.5MHz	399.5-400.5MHz	404.5-405.5MHz	419.5-420.5MHz	429.5-430.5MHz	424.5-425.5MHz	429.5-430.5MHz
Bandwidth	1 MHz (Typically)							
Insertion Loss	Typically < 1dB, worst case over temperature < 1.75dB							
Return Loss	≥20dB (typically); ≥15dB (-30°~70°)							
Rejection	≥85dB @ 410MHz	≥85dB @ 400MHz	≥70dB @ 405MHz	≥70dB @ 400MHz	≥85dB @ 430MHz	≥85dB @ 420MHz	≥70dB @ 430MHz	≥70dB @ 425MHz
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)							

Specifications (ACC-BPD-450-DB-XX0T)

Frequency Band	440-470MHz product variant							
	Example 1		Example 2		Example 3		Example 4	
	Low 1	High 1	Low 2	High 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	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 @ 450MHz ≥70dB @ 445MHz	≥85dB @ 440MHz ≥70dB @ 445MHz	≥85dB @ 450MHz ≥70dB @ 445MHz	≥85dB @ 435MHz ≥70dB @ 440MHz	≥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-XX0T	400-430MHz	Tornado Dual Band Pass Duplexer, 400-430 MHz, incl 2RU Panel, 2x ACC-CBL-223-005-00S, 2x ACC-CBL-223-005-00N
ACC-BPD-450-DB-XX0T	440-470MHz	Tornado Dual Band Pass Duplexer, 440-470 MHz, incl 2RU Panel, 2x ACC-CBL-223-005-00S, 2x ACC-CBL-223-005-00N
ACC-BPD-415-DB-XX00	400-430MHz	SII Dual Band Pass Duplexer, 400-430 MHz, incl 2RU Panel, 4 x ACC-CBL-223-005-00N
ACC-BPD-450-DB-XX00	440-470MHz	SII Dual Band Pass Duplexer, 440-470 MHz, incl 2RU Panel, 4 x ACC-CBL-223-005-00N

Important: Specifications are subject to change without prior notice

DUAL BAND PASS EXTERNAL DUPLEXER 440-470MHZ VARIANT DUPLEXER RESPONSE

