

Low PIM

High stop band rejection

High power handling

Diplexer B41H – Band stop and band pass

Product number: ZEN – 500 – 200 – 42

Band pass filter	Frequency Range [MHz]	Requirement
Passband	2545 – 2645	
Return Loss	2545 – 2645	> 15 dB
Insertion Loss Max	2545 – 2645	< 2.5 dB
Rejection	DC – 2535	> 50 dB
Rejection	2655 – 7200	> 50 dB

Band stop filter	Frequency Range [MHz]	Requirement
Passband	DC – 2535	
	2655 – 7200	
Return Loss	DC – 2535	> 10 dB
	2655 – 7200	
Insertion Loss Max Typical	DC – 2535	< 3.0 dB
	2655 – 7200	< 1.0 dB
Rejection	2545 – 2645	> 90 dB

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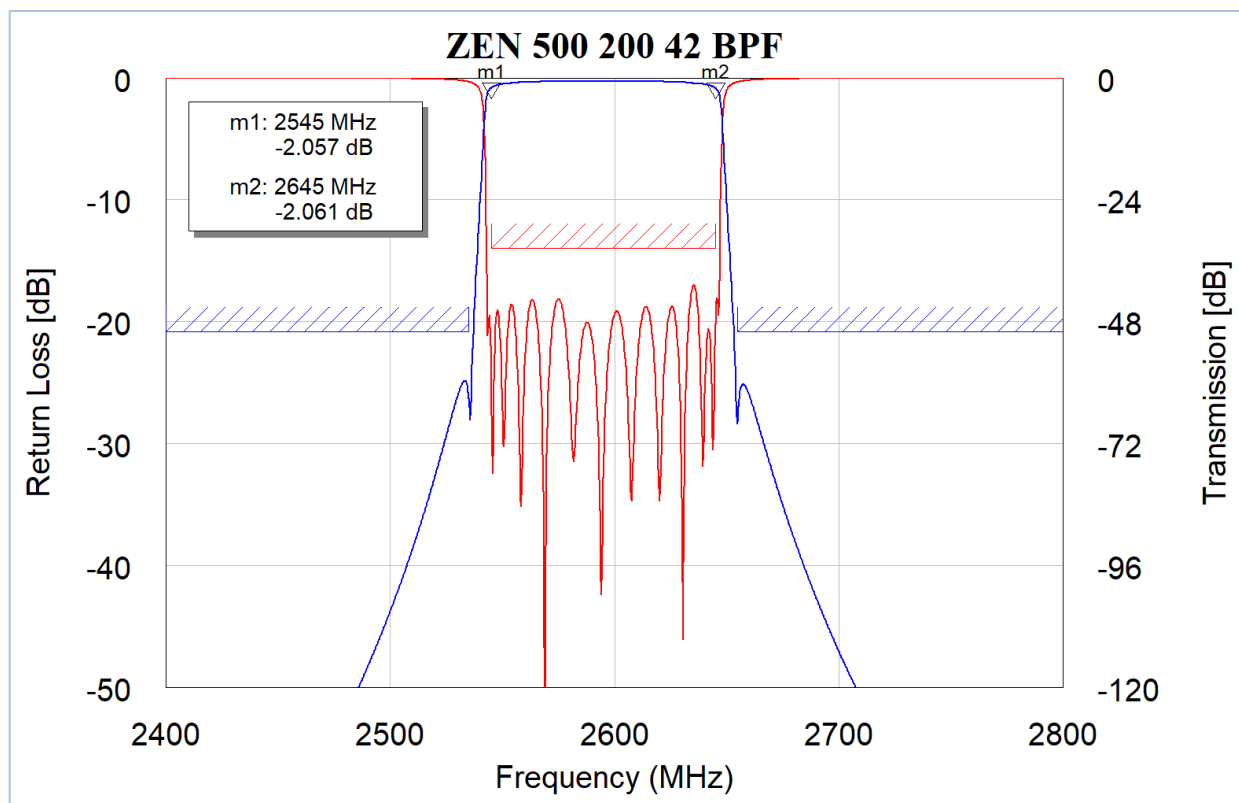
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Power	Average	max 100 W (50 dBm)
	Peak	max 1000 W (60 dBm)

Passive Intermodulation (PIM) Forward and Revers	2 x 43 dBm	< - 117 dBm (< - 160 dBc)
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Mechanical		
Dimensions	336 x 149 x 35 mm (excluding connectors) 367 x 149 x 35 mm (including connectors)	
Connectors	4.3-10 (f)	

Environmental		
Temperature range	+15 °C to +45 °C	
Ingress Protection	IP63	



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