

Low insertion loss

Low PIM

External PIM Triplex – n1 n3 n7

Product number: ZEN – 500 – 500 – 05

TX n1 & n3	Frequency Range [MHz]	Requirement
Passband	1805 – 1880 2110 – 2170	
Return Loss	1805 – 1880 2110 – 2170	> 18 dB
Insertion Loss Max	1805 – 1880 2110 – 2170	< 1.1 dB < 0.6 dB

RX n1 & n3	Frequency Range [MHz]	Requirement
Passband	1710 – 1785 1920 – 1980	
Return Loss	1710 – 1785 1920 – 1980	> 18 dB
Insertion Loss Max	1710 – 1785 1920 – 1980	< 1.2 dB < 0.8 dB

TX n7	Frequency Range [MHz]	Requirement
Passband	2620 – 2690	
Return Loss	2620 – 2690	> 18 dB
Insertion Loss Max	2620 – 2690	< 0.8 dB

RX n7	Frequency Range [MHz]	Requirement
Passband	2500 – 2570	
Return Loss	2500 – 2570	> 18 dB
Insertion Loss Max	2500 – 2570	< 0.7 dB

Isolation between ports	> 65 dB
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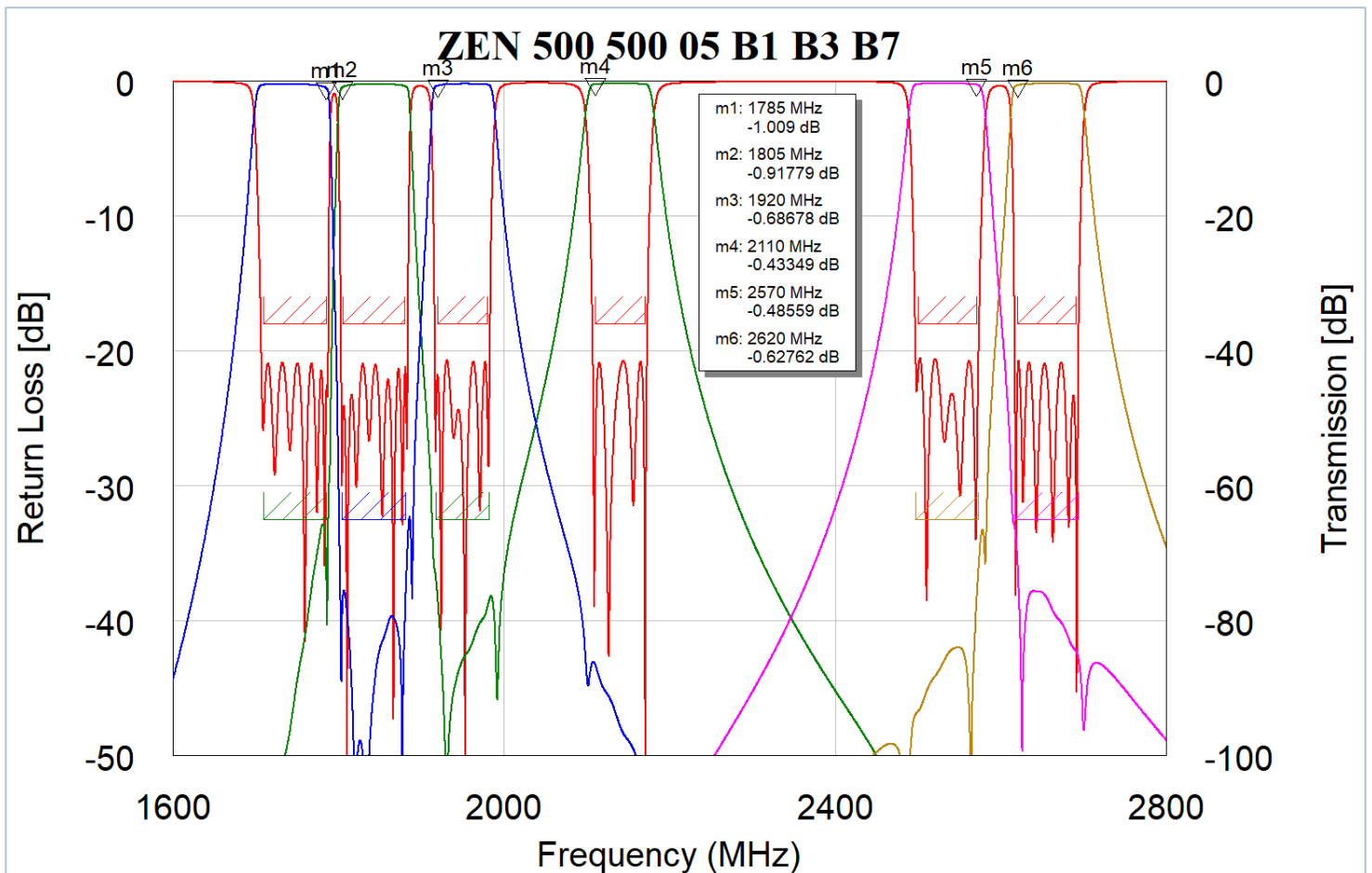
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Passive Intermodulation	2 x 43 dBm	< - 117 dBm < - 160 dBc
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Mechanical		
Dimensions (including connectors)	320 x 185 x 43 mm	
Connectors	Common and TX: 4.3-10 (f) SMA: RX	

Environmental		
Temperature range	+10 °C to +45 °C	
Ingress Protection	IP63	

Power n28 n5&8 n3 n1 n40 n7 ports	Average	Max 100 W (50 dBm)
	Peak	Max 2000 W (63 dBm)





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