



Document	Document Number	Revision	Date
Spec Sheet	FAX115162A01	A	03-Oct-2020

## Duplexer Proposal

**P/N : FAX115162A01**

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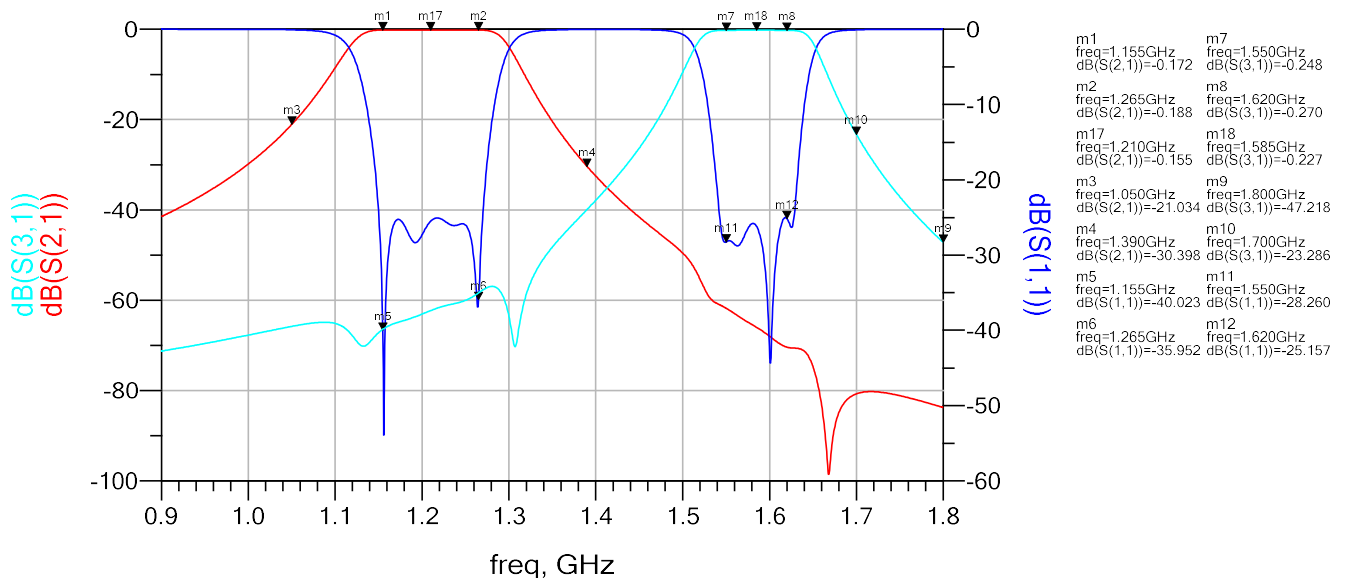
Revision	Description	Date
A	Initial Release	03-Oct-2020

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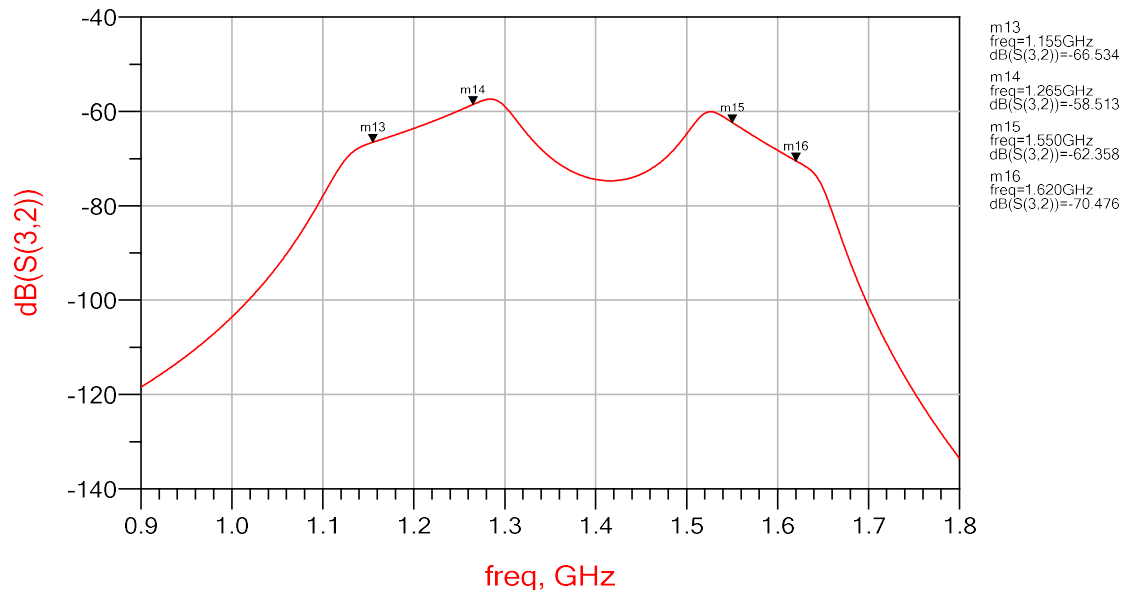
## 1. Electrical Specifications

Parameter	Specification		Simulation		Proposal
	1155 ~ 1265MHz	1550 ~ 1620MHz	1155 ~ 1265MHz	1550 ~ 1620MHz	
Pass band	1155 ~ 1265MHz	1550 ~ 1620MHz	1155 ~ 1265MHz	1550 ~ 1620MHz	-
Insertion Loss (Max)	0.5dB max.	0.5dB max.	0.17	0.25	OK
Ripple (Max)	0.5dB max. (peak to peak)	0.5dB max. (peak to peak)	0.03	0.03	OK
Return Loss(Min)	18.0dB Min.		20.0	20.0	OK
Attenuation	20 min @ 1050 MHz	20 min @ 1450 MHz	21.03	47.21	OK
	20 min @ 1350 MHz	20 min @ 1700 MHz	30.38	23.23	OK
Isolation between ports	30dB min.		58.51	62.35	OK
Input/Output impedances	50Ω		-	-	OK
Power handling	200W RMS		-	-	OK
Operating temperatures	-20 ~ +85°C		-	-	OK

## 2. Simulation Data

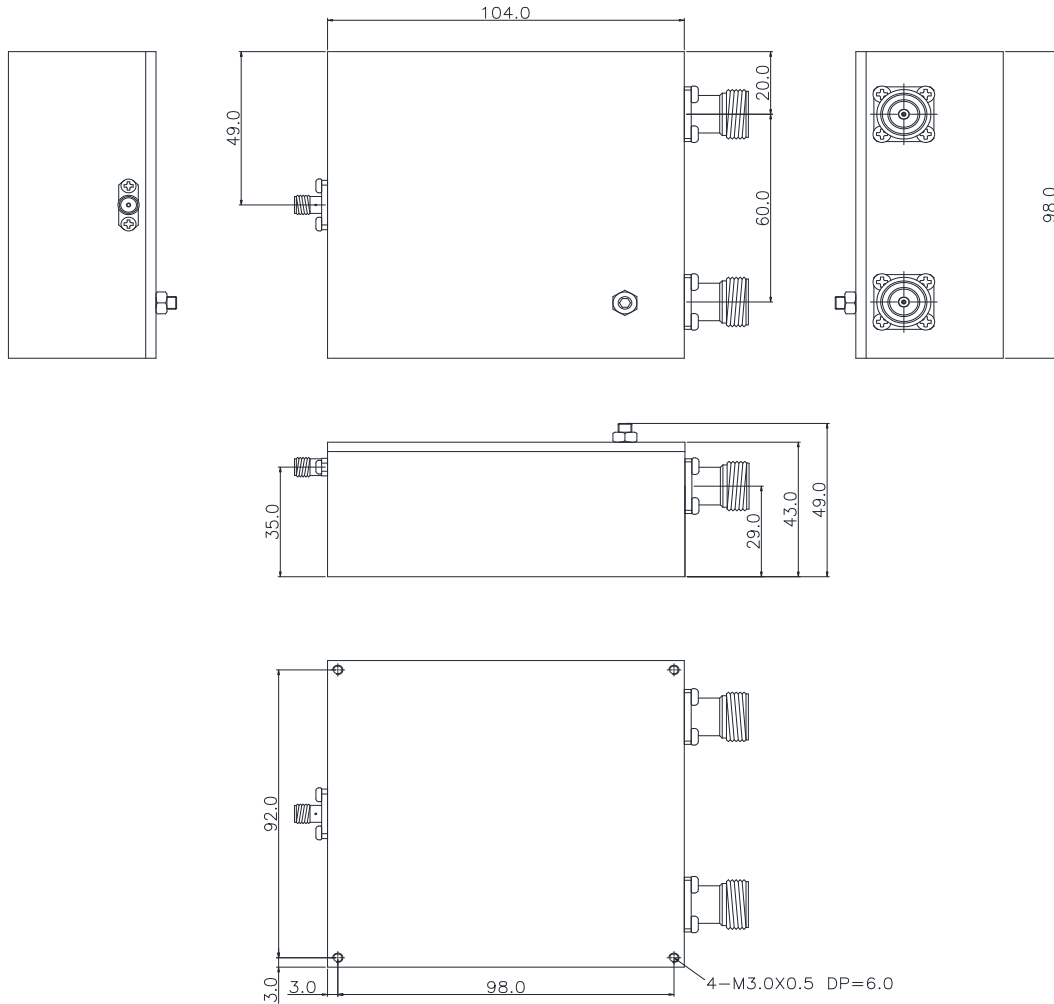


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### 3. Mechanical Specification



Parameter	Specification	Proposal
Dimension	TBD	104x 98.0 x 49.0 Max
RF Connector	Inputs: SMA Female Output: N Type Female	OK
Finish	Black epoxy coating	OK