



Document	Document Number	Revision	Date
Spec Sheet	FAXB03A04	A	23-Oct-2020

## Duplexer Proposal

**P/N : FAXB03A04**

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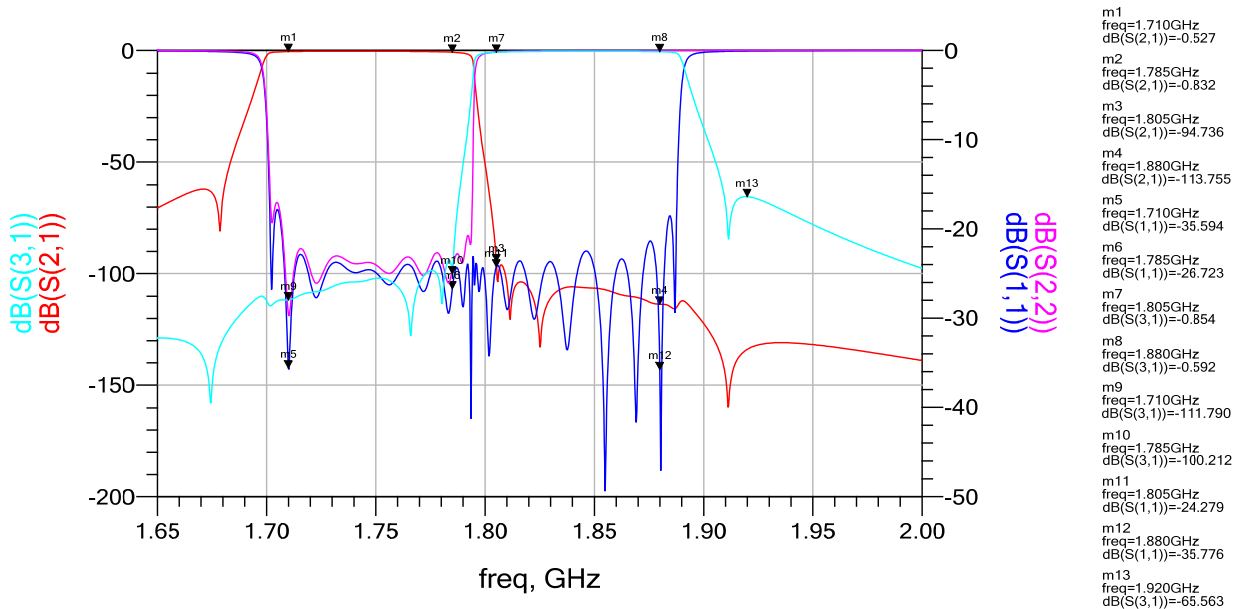
Revision	Description	Date
A	Initial Release	23-Oct-2020

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## 1. Electrical Specifications

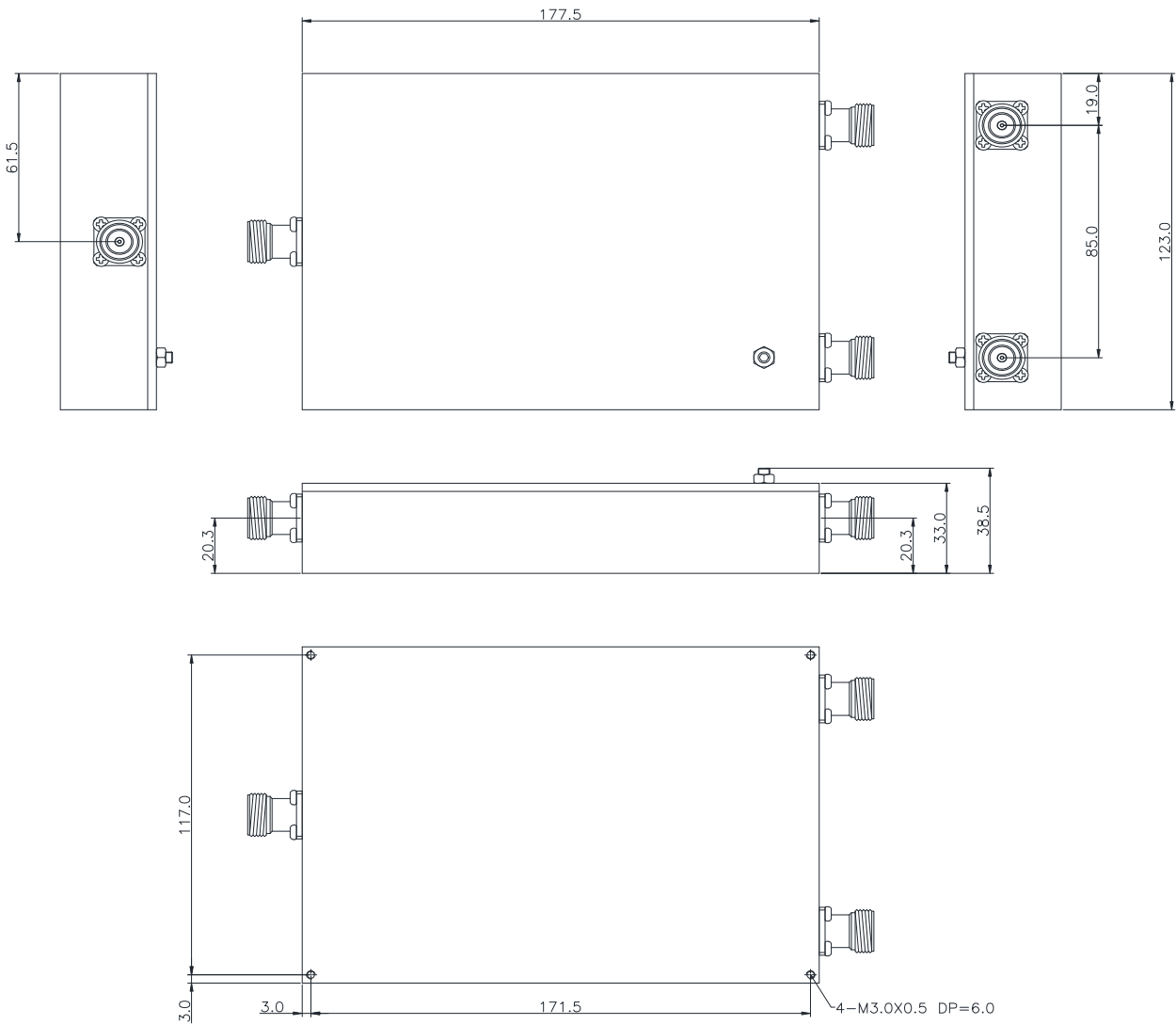
Parameter	Specification		Simulation		Proposal	
	1710 ~ 1785MHz	1805 ~ 1880MHz	1710 ~ 1785MHz	1805 ~ 1880MHz	1710 ~ 1785MHz	1805 ~ 1880MHz
Pass band	1710 ~ 1785MHz	1805 ~ 1880MHz	1710 ~ 1785MHz	1805 ~ 1880MHz	1710 ~ 1785MHz	1805 ~ 1880MHz
Insertion Loss (Max)	1.0dB max.	1.0dB max.	0.83	0.85	OK	OK
Return Loss(Min)	dB Min.		21.0	21.0	18dBMin.	18dBMin
Attenuation	? min @ 1920 MHz ~ 1980	? min @ 1920 MHz ~ 1980	-	65.56	80dBMin.	60dBMin.
	? min @ 2110 MHz ~ 2170	? min @ 2110 MHz ~ 2170	-	-	80dBMin.	80dBMin.
	? min @ 2300 MHz ~ 2700	? min @ 2300 MHz ~ 2700	-	-	80dBMin.	80dBMin.
	? min @ 3610 MHz ~ 3760	? min @ 3610 MHz ~ 3760	-	-	80dBMin.	80dBMin.
Isolation	90dB min.		94.73	93.52	OK	
Input/Output impedances	50Ω				OK	
Power handling	50W		-	-	OK	
Operating temperatures	-20 ~ +75°C		-	-	OK	

## 2. Simulation Data



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### 3. Mechanical Specification



Parameter	Specification	Proposal
Dimension	TBD	175x 123.0 x 38.5 Max
RF Connector	Inputs: N Type Female Output: N Type Female	OK
Finish	TBD	Gray Epoxy (Pantone 427C)