	Customer		Revision	1.0
	Part Number	MCC4-000011A1 (B2+B5)	Date	8/7/19
	Item Name	1900/800MHz quadruplexer		

1. Specifications

1.1. Electrical

Parameter		Specification
1880M (Band-2)	Operating Band	1850.0 ~ 1910.0MHz
	Insertion Loss	1.5dB Max.
	Return Loss (VSWR)	17.7dB Min (1.3:1 Max)
	Attenuation	1930.0 ~ 1990.0MHz @75.0dB Min.
1960M (Band-2)	Operating Band	1930.0 ~ 1990.0MHz
	Insertion Loss	1.5dB Max.
	Return Loss (VSWR)	17.7dB Min (1.3:1 Max)
	Attenuation	1850.0 ~ 1910.0MHz @75.0dB Min
836.5M (Band-5)	Operating Band	824.0 ~ 849.0MHz
	Insertion Loss	1.5dB Max.
	Return Loss (VSWR)	17.7dB Min (1.3:1 Max)
	Attenuation	869.0 ~ 894.0MHz @75.0dB Min
881.5M (Band-5)	Operating Band	869.0 ~ 894.0MHz
	Insertion Loss	1.5dB Max.
	Return Loss (VSWR)	17.7dB Min (1.3:1 Max)
	Attenuation	824.0 ~ 849.0MHz @75.0dB Min
Common	Power	50.0W. Max
	Operating Temperature	+10.0 ~ +30.0°C
	Impedance	50Ω

1.2. Mechanical

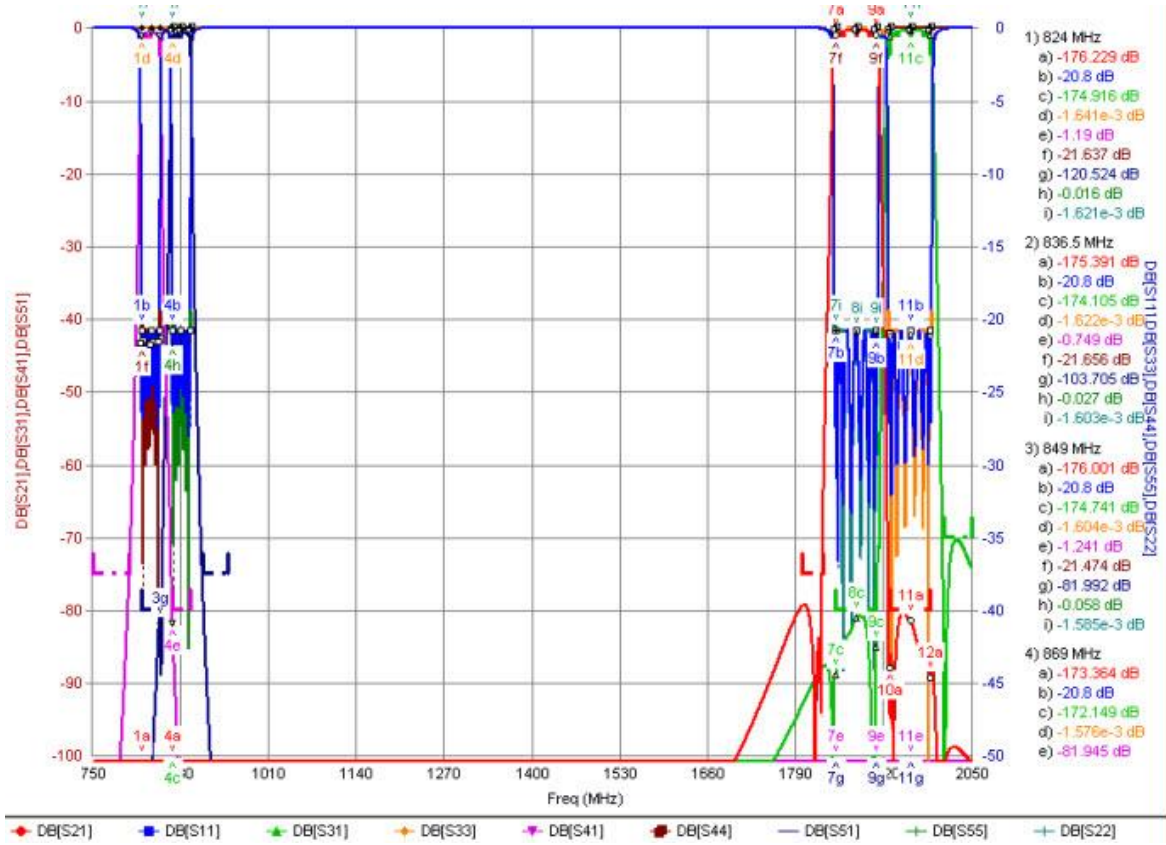
Parameter	Specification
Dimension (WxDxH)	142 x 142 x 92 (104 max) mm ±1.0mm
Weight	-
Mounting Points	See Outline Drawing
RF Connector	All Ports: Passivity/Au Plate SMA(F)
Finish	BLACK
Connector Position	See Outline Drawing



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2. Simulation

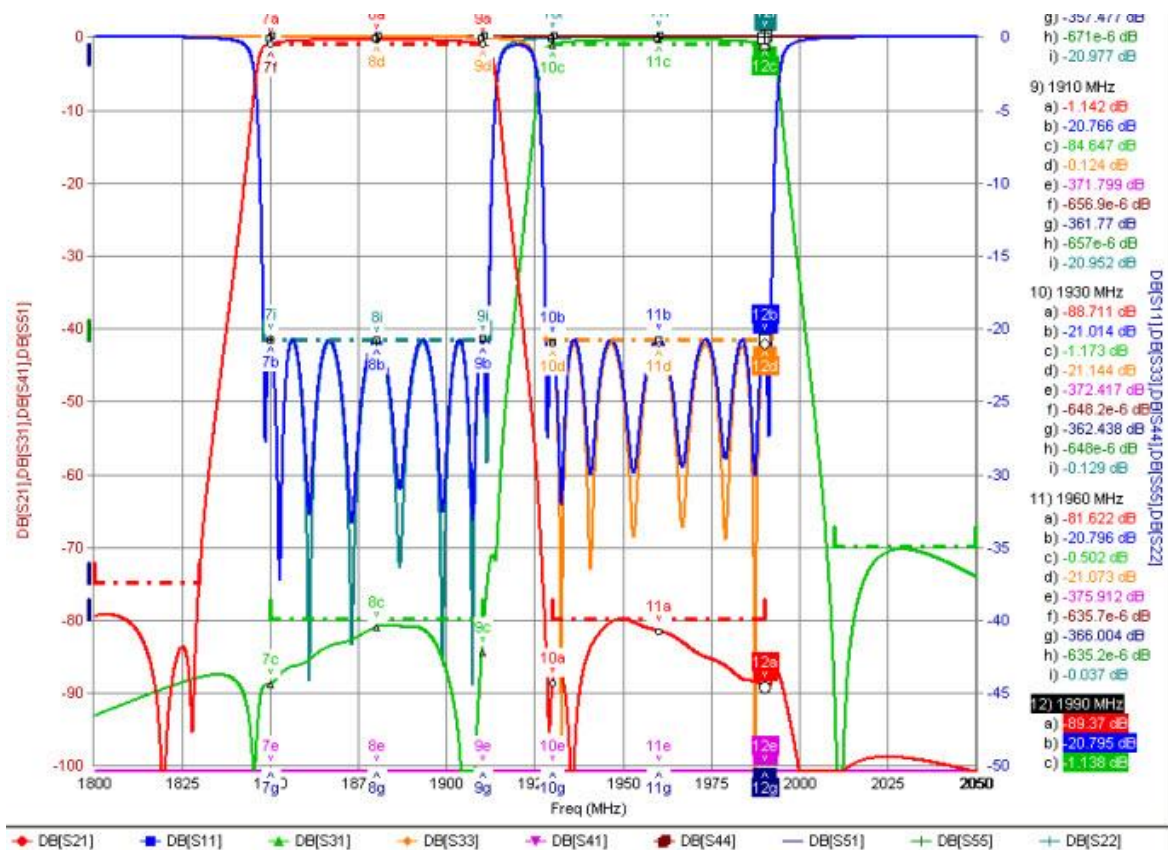
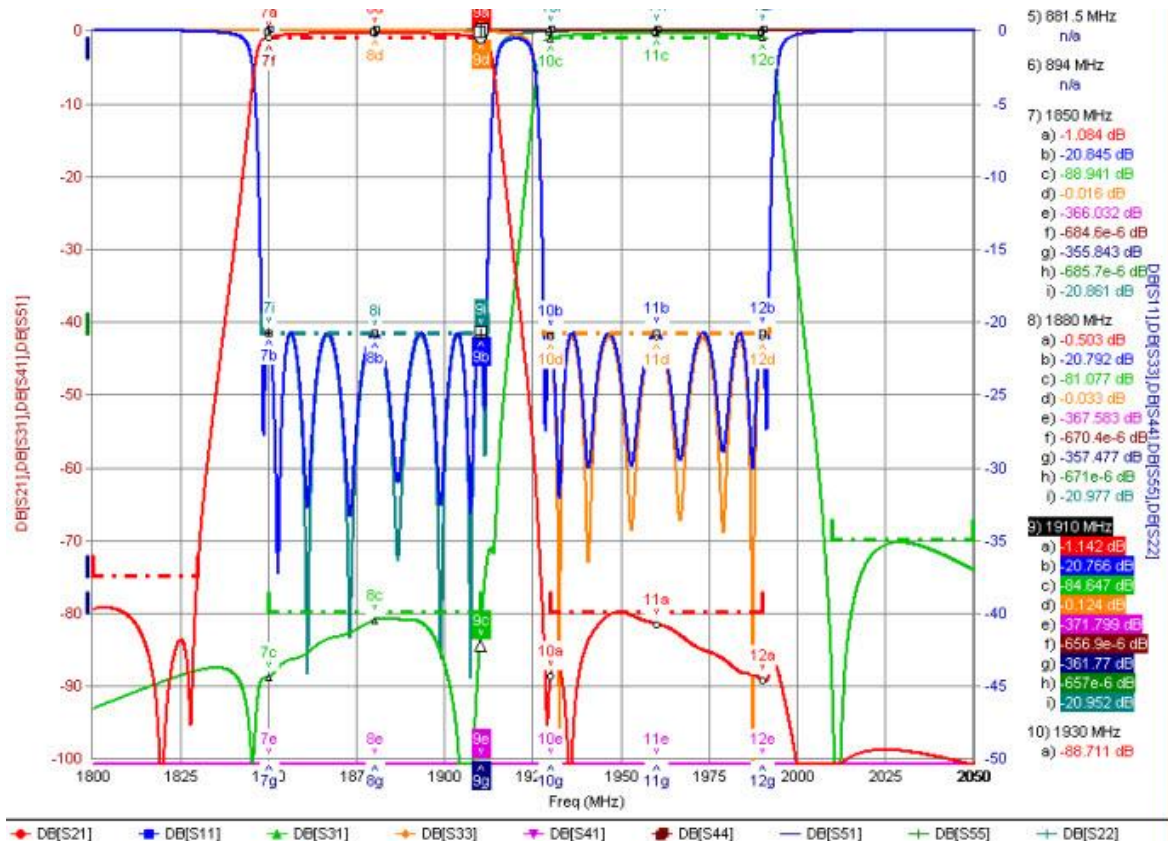
2.1. IL, RL & Attenuation_full range





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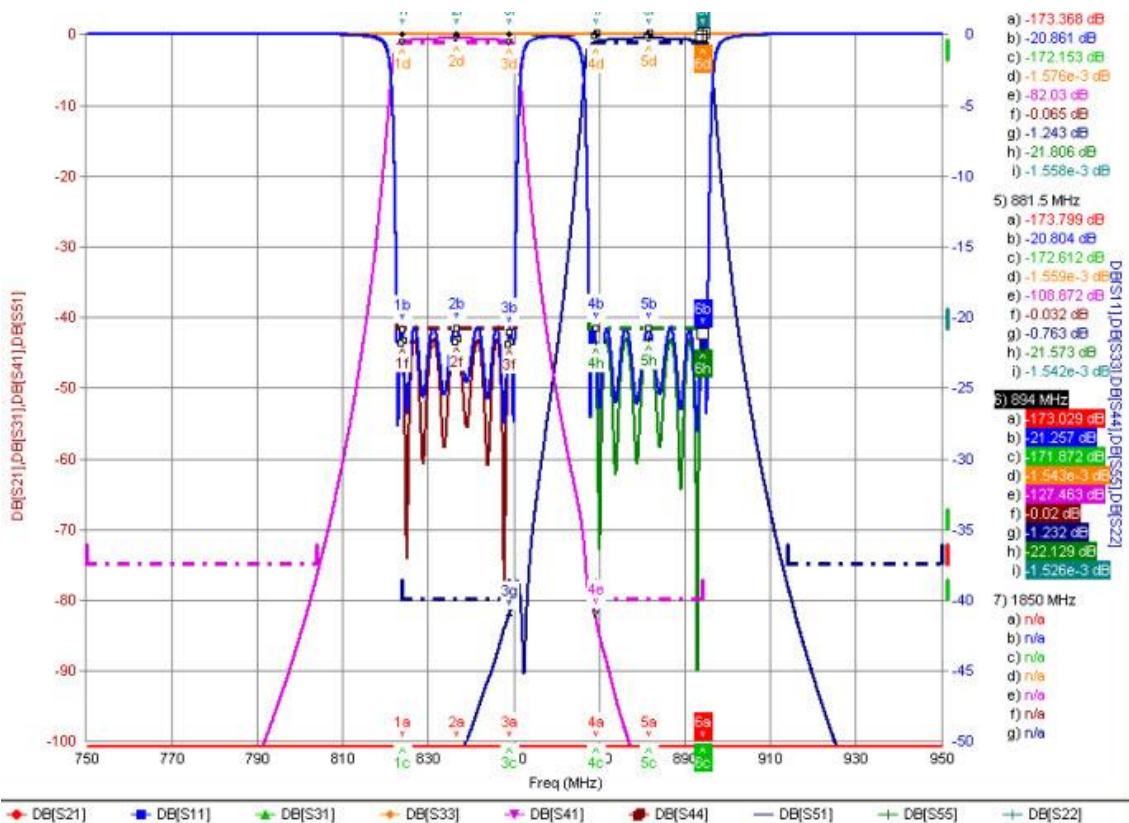
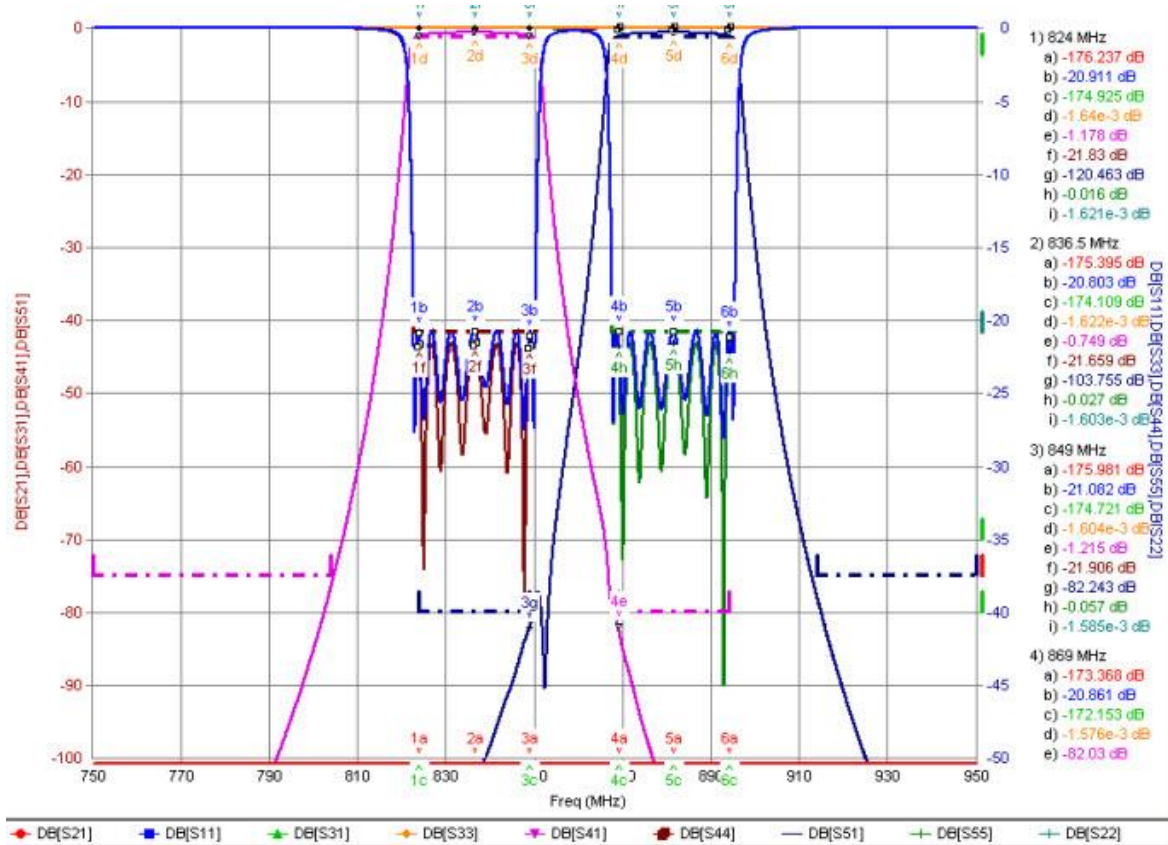
2.2. IL, RL & Attenuation_1900MHz






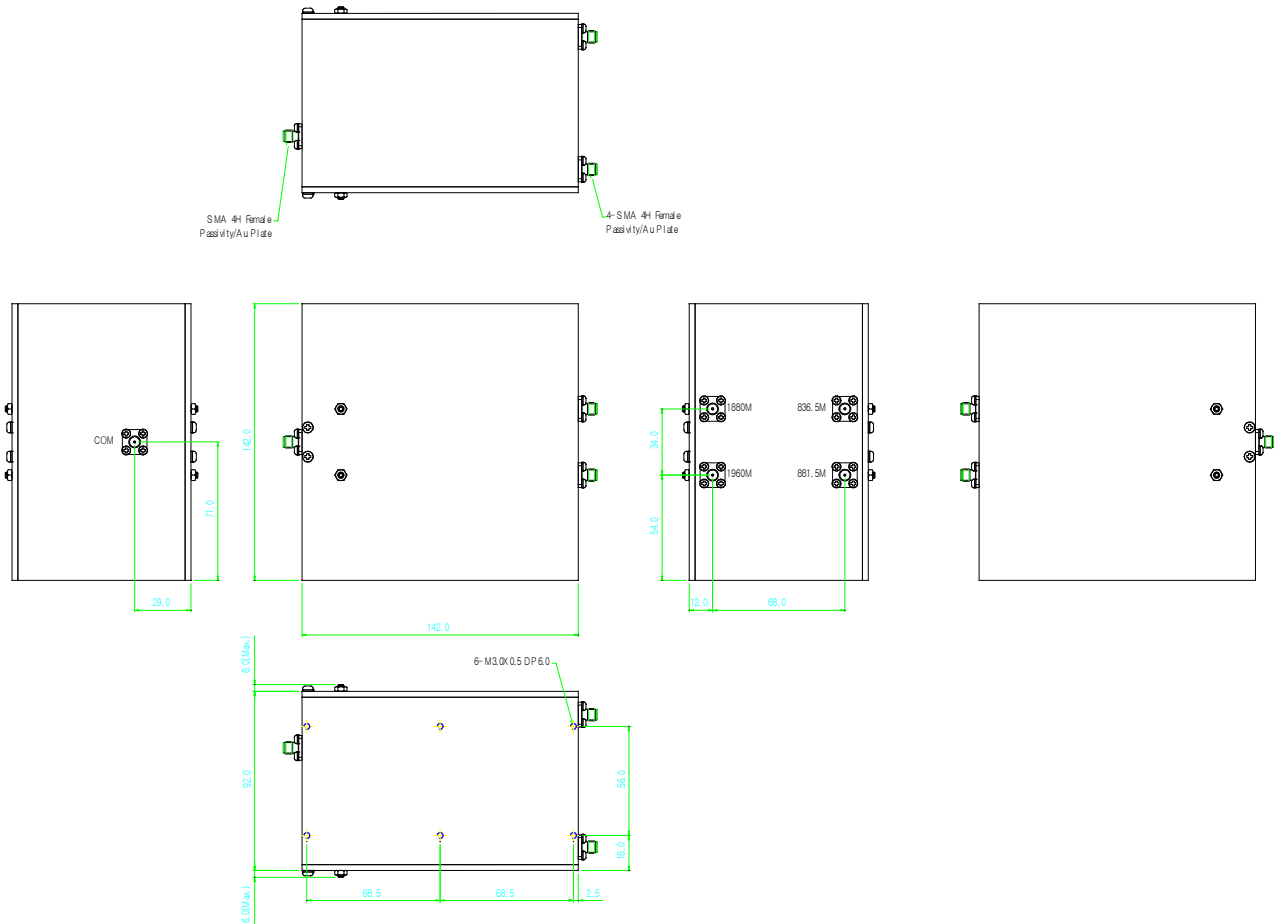
Customer		Revision	1.0
Part Number	MCC4-000011A1 (B2+B5)	Date	8/7/19
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2.3. IL, RL & Attenuation_800MHz



	Customer		Revision	1.0
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	Item Name	1900/800MHz quadruplexer		

3. Outline



Notes:

1. unit: mm
2. Black acrylic urethane paint