



1. Feature

- ▶ High Performance
- ▶ High Reliability
- ▶ RoHS Compliant

Diplexer

Part No: CDU08700M14600A01

Date: June.6th.2022

Revision No: A2

2. Electrical Specifications

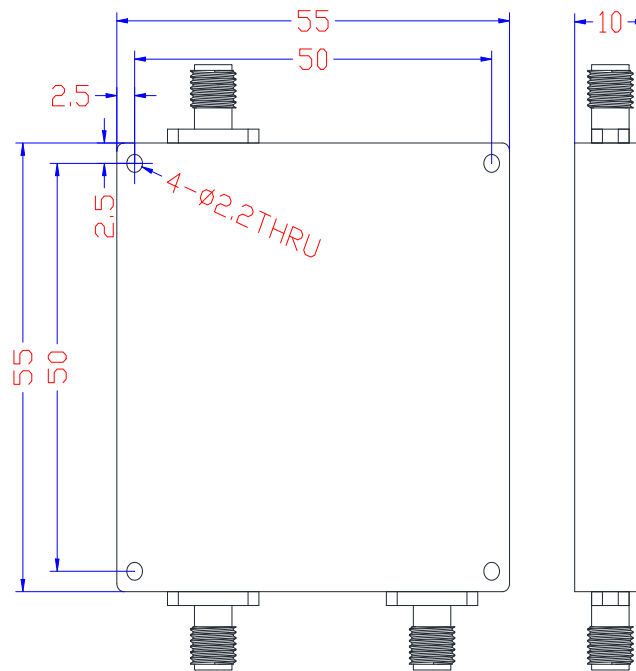
No.	Parameter		Minimum	Typical	Maximum	Units
1	Passband Frequency	Band1	8600	-	8800	MHz
		Band2	12200	-	17000	MHz
2	Insertion Loss	Band1	-	-	1.0	
		Band2	-	-	1.0	dB
3	Passband Insertion Loss variation1		-	-	-	dB
	Passband Insertion Loss variation2(In the range of 12.4-16.6GHz)	In any 80MHz interval	-	-	0.4	dB
		Peak-peak	-	-	1.0	dB
4	Return Loss		16 min. at room Temperature 14 min. at -30 to +70°C			dB
5	Rejection(Band1)	@12-17GHz	50	-	-	dB
	Rejection(Band2)	@8.6-9GHz	50	-	-	dB
6	Group delay variation 1		-	-	-	ns
	Group delay variation 2	In any 125MHz interval, in the range of 12.4-16.6GHz	-	-	1.0	ns
7	Impedance		-	50	-	Ω
8	Power		-	-	30	W cw
9	Operating Temperature		-30	-	+70	°C
10	Finish		TBD			

3. Mechanical Specifications

Parameter	Specifications	Remark
Dimensions	55.0x55.0x10.0mm	
Connector Type	SMA-female	
Surface Finish	TBD	

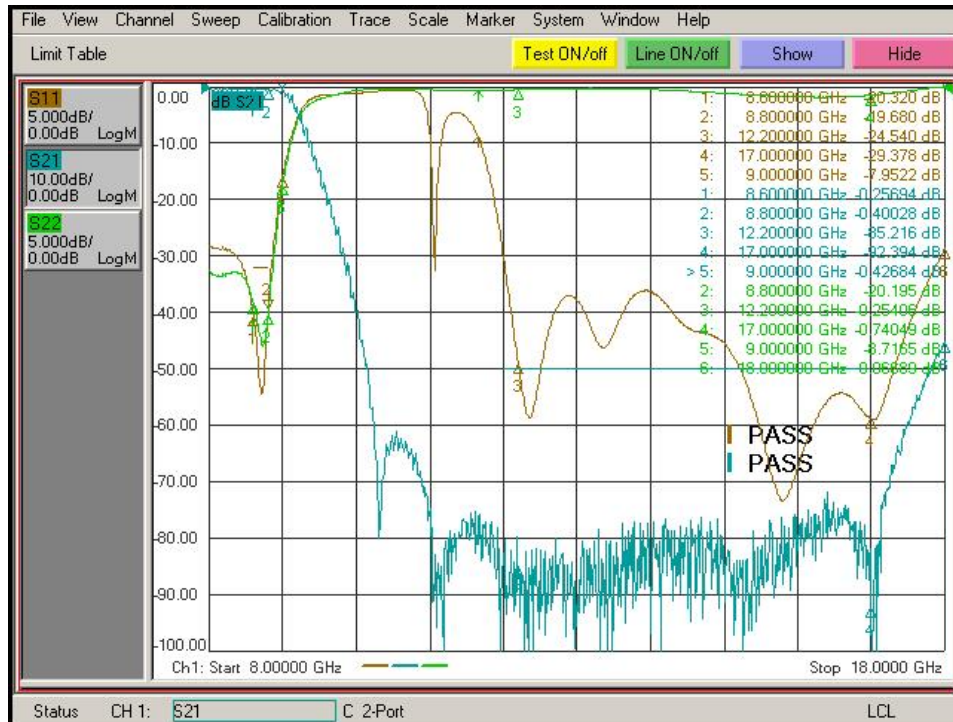


4. Outline Drawing ($\pm 0.3\text{mm}$)





Band 1



Band 2

