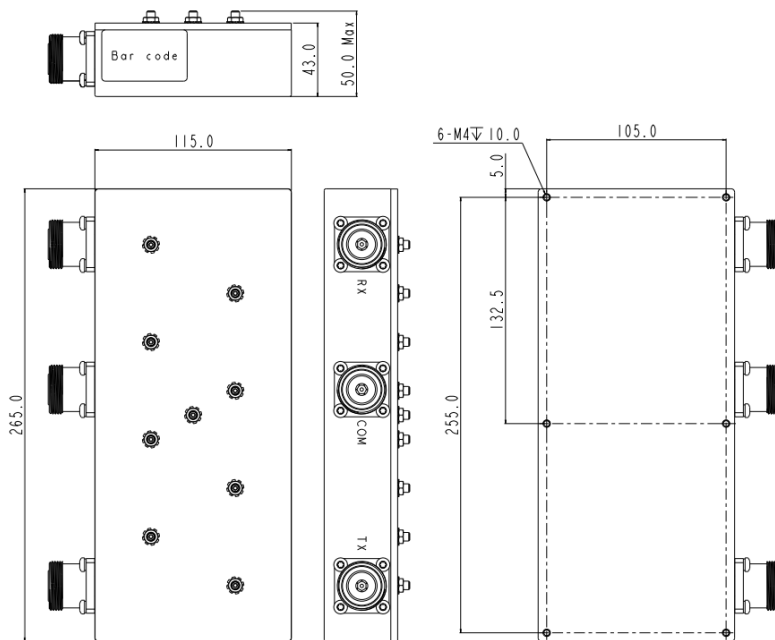


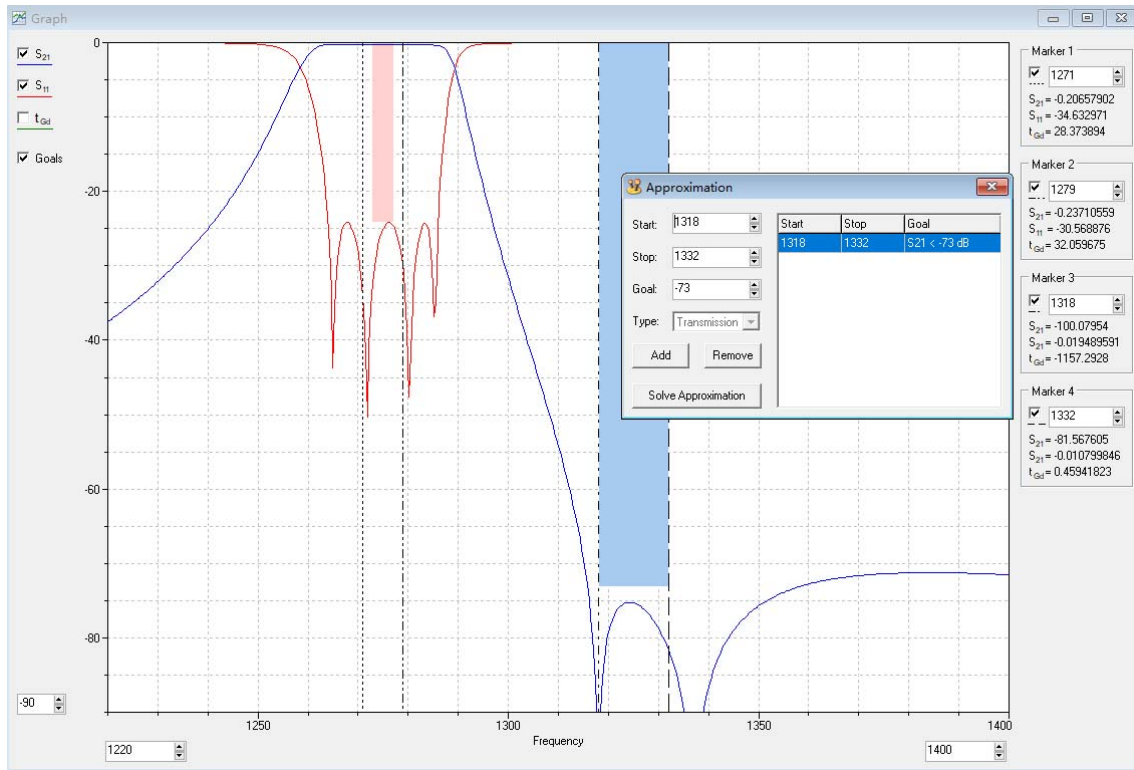
Cavity Duplexer

Preliminary Specifications

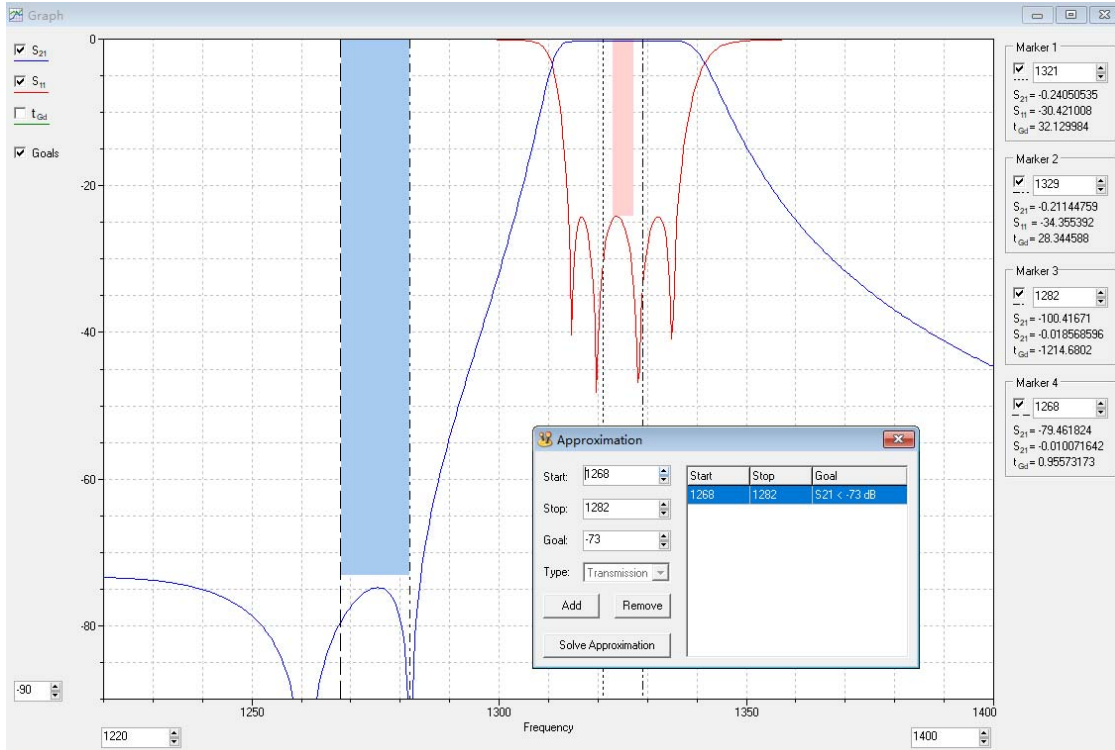
Serial	Parameters	RX	TX
1	Frequency range	1273-1277 MHz	1323-1327 MHz
2	Insertion loss	≤0.4 dB	≤0.4 dB
3	Return loss	≥16 dB	≥16 dB
4	Rejection	≥70dB@1320-1330 MHz ≥100dB@2546 MHz	≥70dB@1270-1280 MHz ≥100dB@2546 MHz
5	RX/TX average Power	150 W	
6	RX/TX peak Power	2000 W	
7	ANT average Power	300 W	
8	ANT peak Power	4000 W	
9	Impedance	50 Ω	
10	Port connectors	DIN-Female	
11	Finish	Silver	
12	Configuration	As below (265mm x 115mm x 43mm (50mm Max))	



Simulation



RX



TX