



Document	Document Number	Revision	Date
Spec Sheet	FTB520550A01	B	05-May-2020

LTCC FILTER

P/N : FTB520550A01

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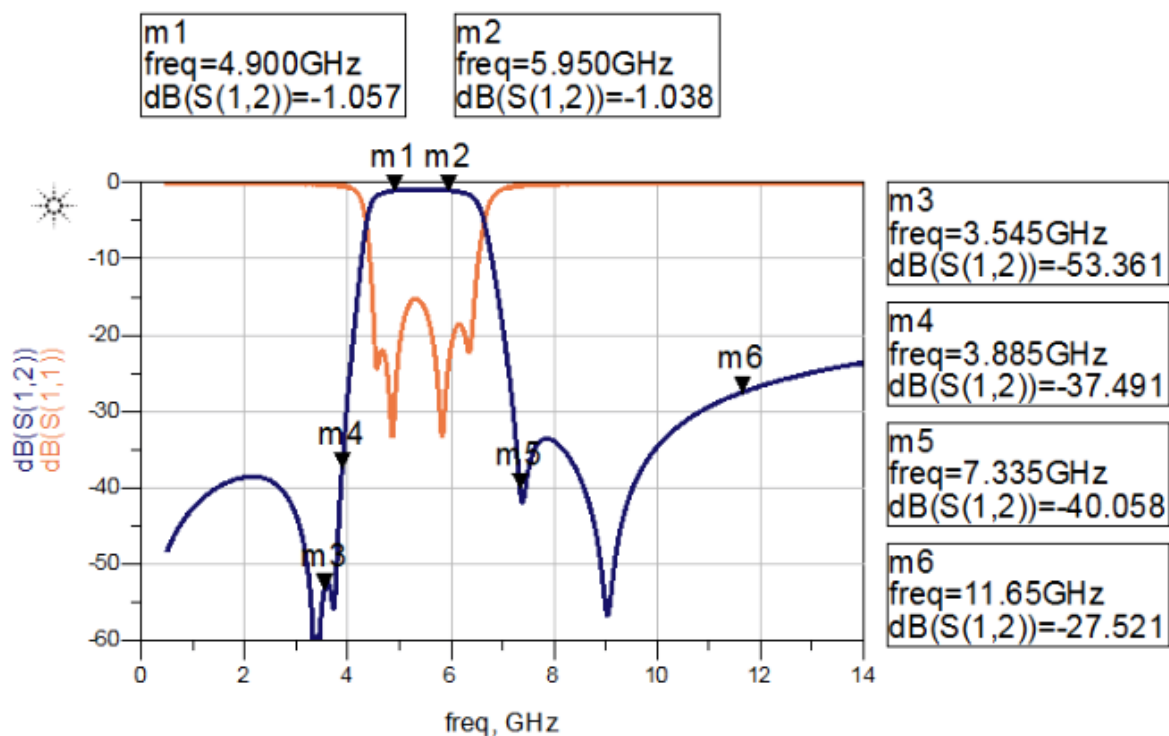
Revision	Description	Date
A	Initial Release	02-Apr-2020
B	Specification Updated	05-May-2020

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1. Electrical Specifications

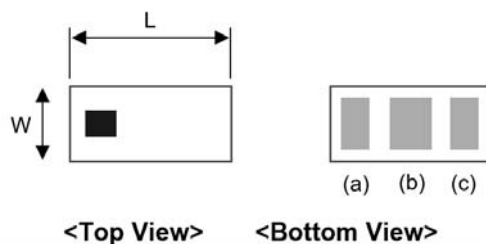
Parameter	Specification	Simulation	Proposal
Pass band Frequency	5200MHz ~ 5500MHz	-	OK
Insertion Loss	3.0dB max.	1.03	1.2dB max.
Return Loss	10.0 dB min.	14.0	OK
Attenuation	40dB min @ 700MHz ~ 2690MHz	46.0	OK
	30dB min @ 3545MHz ~ 3885MHz	37.49	OK
	20dB min @ 7335MHz ~ 11.65GHz	27.52	OK
Power Handling	3W (CW)	-	OK
Impedance	50 Ω	-	OK
Operating Temperature Range	-40 - +85°C	-	OK

2. Test Data



3. Mechanical Specification

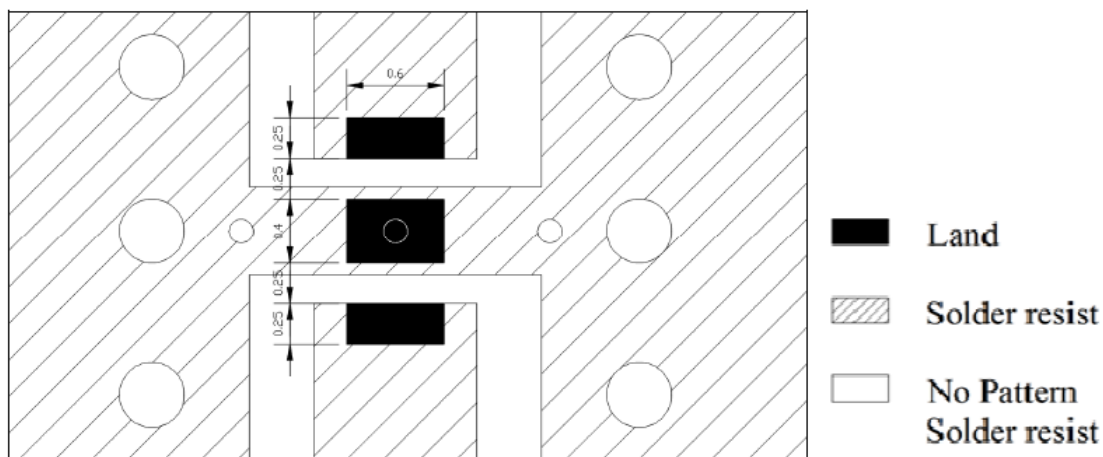
*(a)IN PUT, (b) GND, (c) OUTPUT



Parameter	Specification	Proposal
Dimension	1.60mm*0.80mm*0.6mm (L*W*H)	

4. Recommended Land Pattern

(Unit : mm)



Line width to be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.