



Document	Document Number	Revision	Date
Spec Sheet	FCB272277A01	B	04-Apr-2019

## Band Pass Filter

**P/N : FCB272277A01**

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Revision	Description	Date
A	Initial Release	22-Mar-2019
B	Insertion Loss Proposal changed	04-Apr-2019



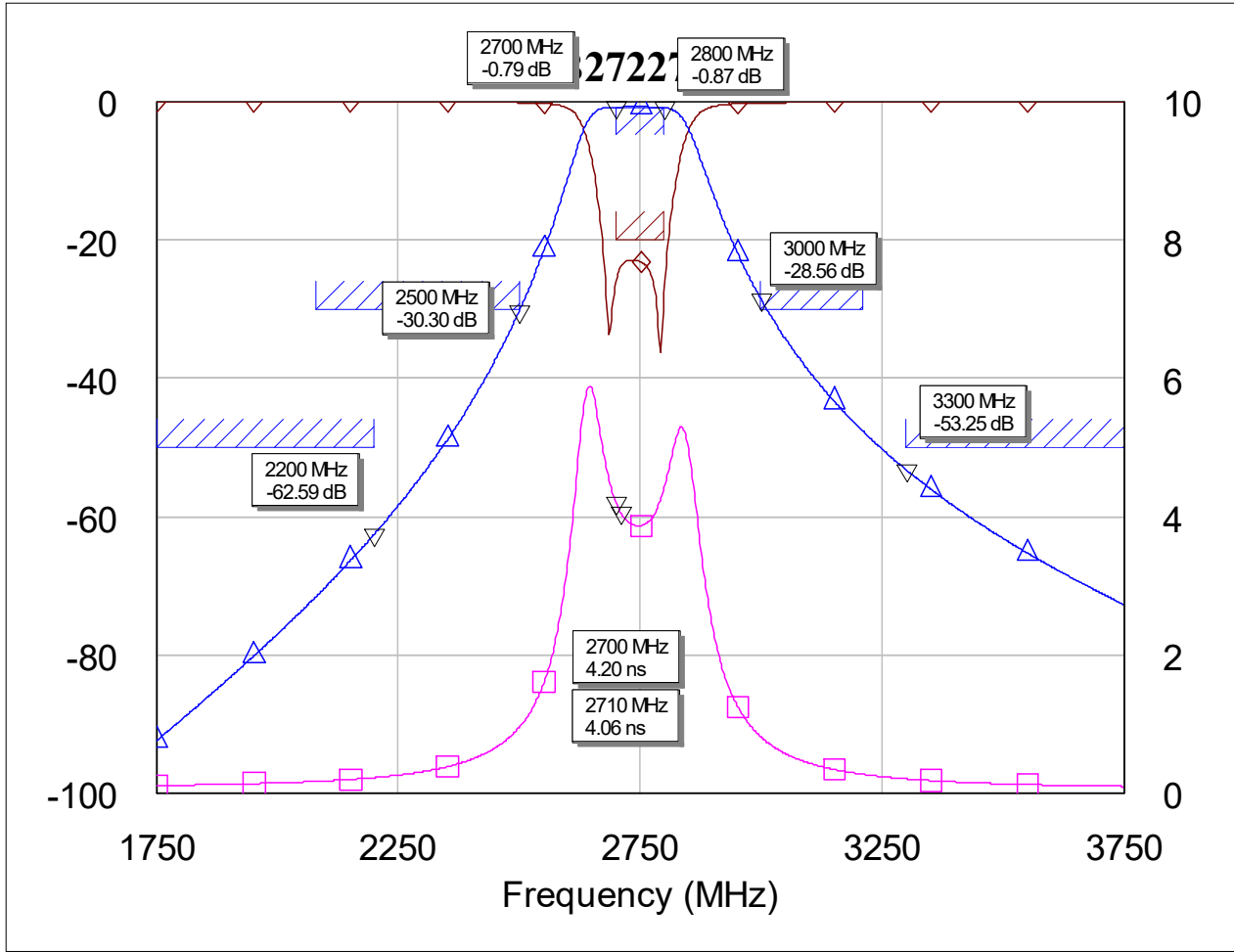
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## 1. Electrical Specifications

Parameter	Specification	Simulation	Proposal
fc (Center Frequency)	2750MHz		
Band Width (BW)	±50MHz, min		
Insertion Loss	1.0dB max.	1.0 dB	1.2 dB max
Return Loss	1.5:1 min.		15 dB min
Ripple in BW	±0.1dB, max. @any 10MHz slice	0.13	±0.3dB max
Rejection	25dBc @ 2500MHz, min	30	OK
	25dBc @ 3000MHz, min	30	OK
	45dBc @ DC÷2200MHz, min	62	OK
	45dBc @ 3300 ~ 5800MHz, min	TBD	
Group Delay Variation @BW	3nSec P-t-P @ any 10MHz slice (Over all conditions: see paragraph 4)		OK
Input Output Impedance	50Ω		OK
Power Handling (CW)	2W		OK
Dimension	10mm*8mm*4m (L*W*H)		OK
Operating Temperature	-40°C to +80°C		OK

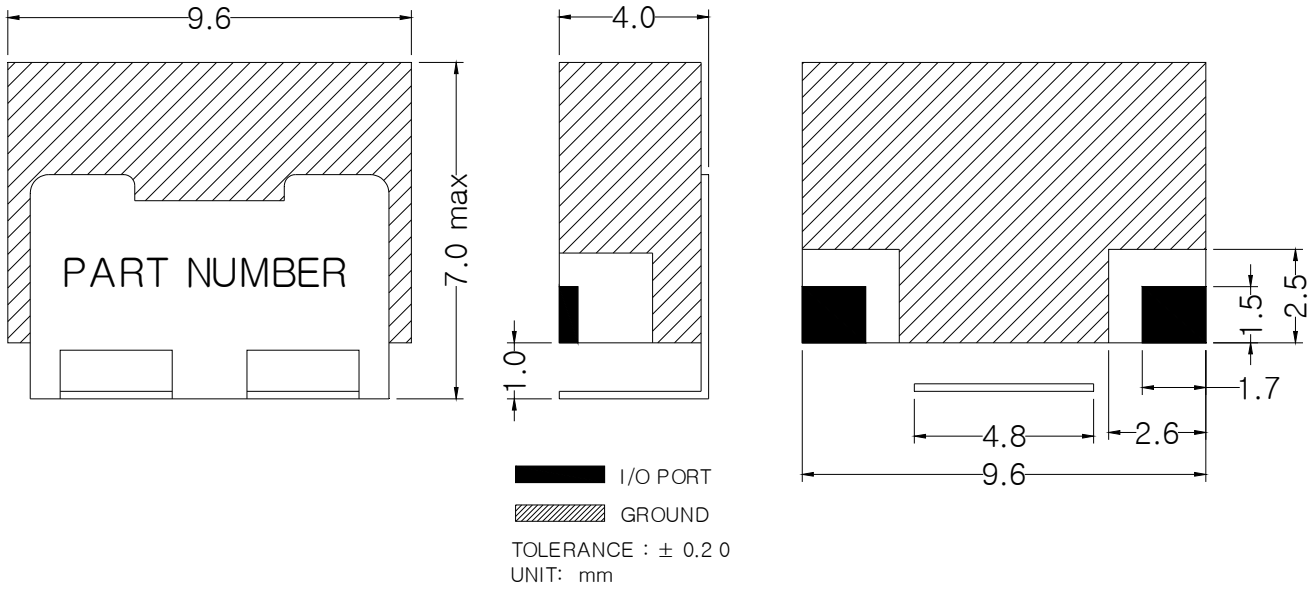
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## 2. Simulation Data



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### 3. Mechanical Specification



Parameter	Specification	Proposal
Dimension	10mm*8mm*4mm (L*W*H)	
RF Connector		