



Document	Document Number	Revision	Date
Proposal	FMB34103590S01	B	27-Oct-2021

**BPF
Proposal**

P/N: FMB34103590S01

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Revision	Description	Date
A	Initial Release	25-Oct-2021
B	Simulation Added	27-Oct-2021

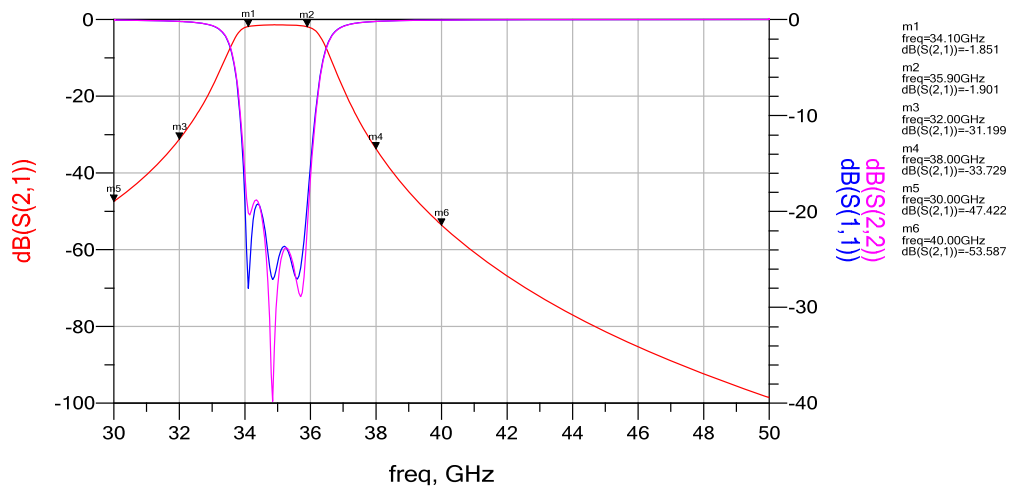


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1. Electrical Specifications

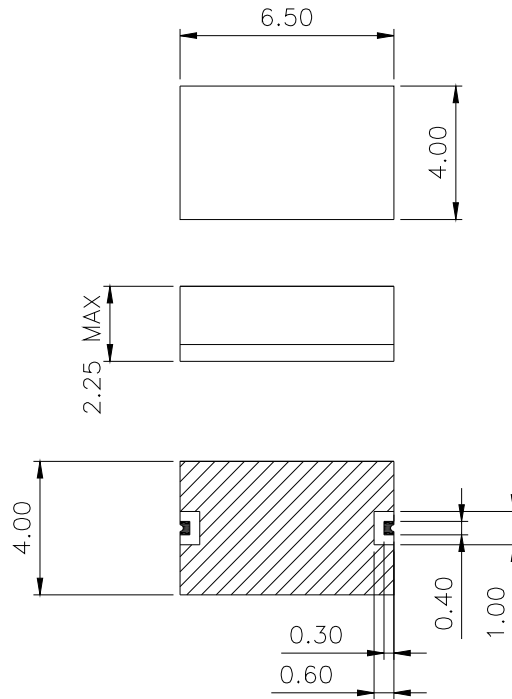
Parameter	Specification	Proposal
Center Frequency	35GHz	OK
1dB Bandwidth min.	1.8GHz	OK
1dB Pass Band C.F Insertion Loss	2.0dB Max.	OK
Return Loss (S11 / S22))	15.0 dB min.	OK
I.Loss variation over temperature	±0.5dB max.	OK
Pass Band Ripple (exclude monotonic roll off)	±0.15dB max.	OK
Deviation From Linear Phase	± 15.0 Deg Max (ver full BW)	OK
Ripple	0.15dB Max.	OK
Attenuation	20.0 dBc min. @ 30GHz ~ 32GHz	OK
	20.0 dBc min. @ 38GHz ~ 40GHz	OK
	45.0 dBc min. @ DC ~ 30GHz	OK
	45.0 dBc min. @ 40GHz ~50GHz	OK
Vin /Out Impedance	50 Ω	OK
Power Handling	15dBm max.	OK
Operating Temperature	-40 ~+125°C	OK

2. Simulation Data



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3. Mechanical Specification



Parameter	Specification	Proposal
Dimensions (mm)	12.0 x 6.0 x 4.0 max.	6.5 x 4.0 x 2.25 max.