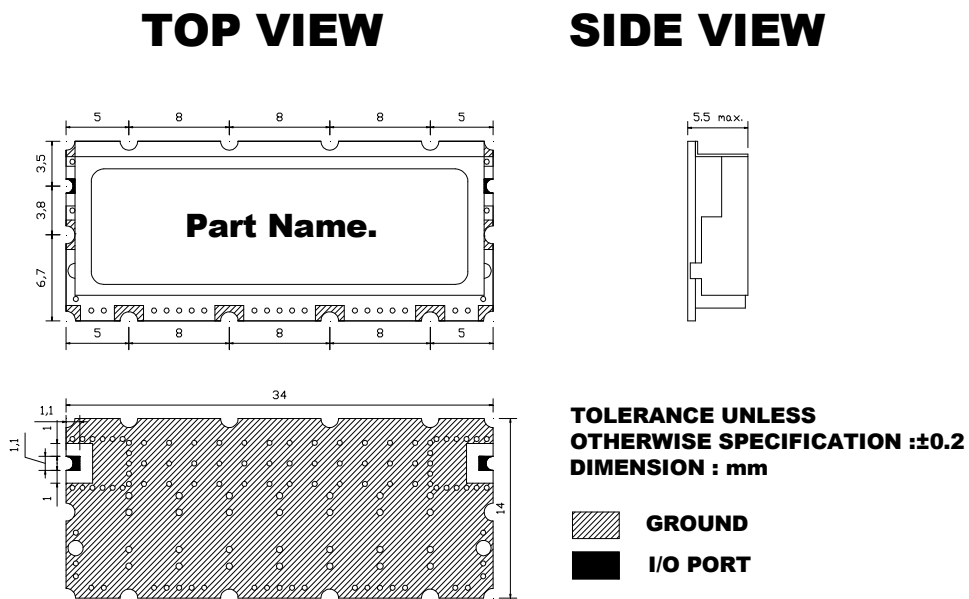


Ceramic Bandpass Filter IFD35001

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (34mm × 14mm × 5.5mm)

Package Dimensions



Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-40	25	85
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	dBm	-	-	30

Electrostatics Sensitive Device (ESD)

	ITF Co., Ltd.	Part No.	IFD35001	
	102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Rev. Date	2014-08-06	
		Rev.	AS 01	1/4

Ceramic Bandpass Filter IFD35001


Preliminary Specifications

F_o = 3500 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (F _o)	-	3500	-	MHz
Insertion Loss (3350 ~ 3650 MHz)	-	2.0	3.0	dB
Amplitude Ripple (3350 ~ 3650 MHz)	-	0.5	1.0	dB
Return Loss (3350 ~ 3650 MHz)	12	15	-	dB
Relative Attenuation				
0.3 ~ 3100 MHz	60.0	62.0	-	dB
@ 3150 MHz	50.0	55.0	-	
@ 3750 MHz	30.0	35.0	-	
@ 3850 MHz	50.0	55.0	-	
@ 3950 MHz	60.0	65.0	-	
4500 ~ 6400 MHz	70.0	72.0	-	
Input/Output Impedance		50		Ohm

Notes :

- 1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 2 port calibration.
- 2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
- 3) All attenuation measurements are measured relative to insertion loss

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Ceramic Bandpass Filter IFD35001

Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)




Marking Configuration

Part Name. ¹⁾

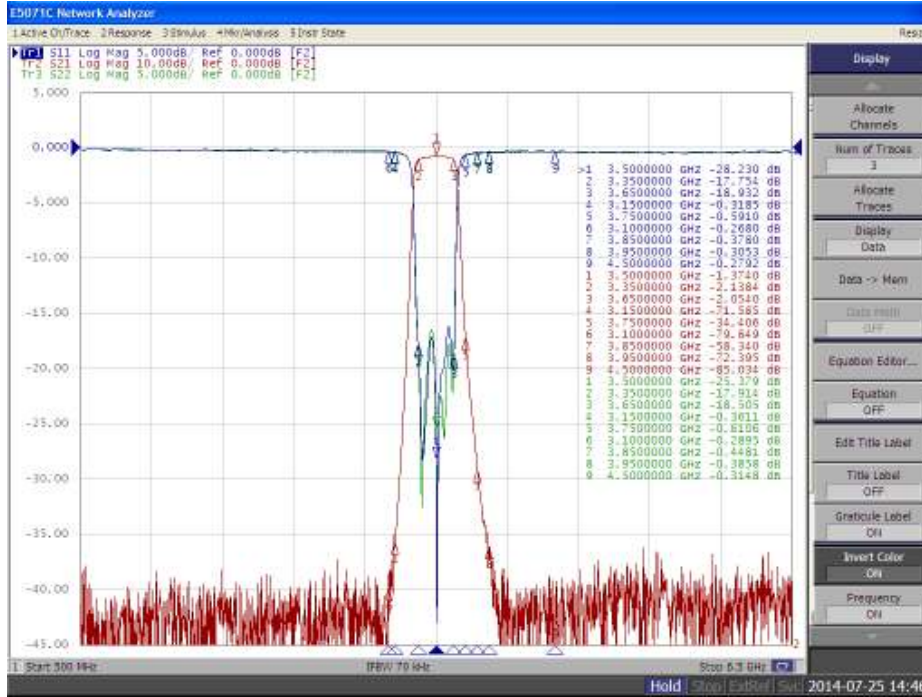
1) Part Number


* Ink or Laser Marking available

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Ceramic Bandpass Filter IFD35001

Typical Performance (at 25 °C)



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