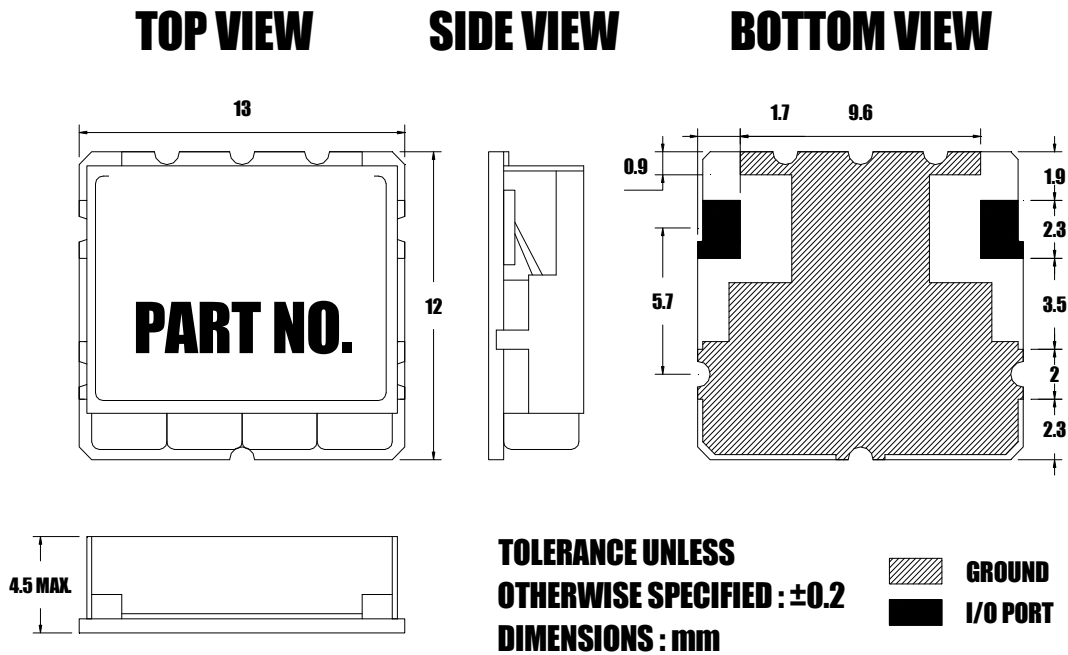


Ceramic Bandpass Filter IFD35526

Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package (13mm × 12mm × 4.5mm)


Package Dimensions



Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-40	25	85
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	Watt	-	-	3

Electrostatics Sensitive Device (ESD)

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD35526	
		Rev. Date	2014-08-28	
		Rev.	AS 01	1/4

Ceramic Bandpass Filter IFD35526


Specifications

Fo = 3550MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	3550	-	MHz
Insertion Loss (3500 ~ 3600MHz)	-	3.0	3.5	dB
Amplitude Ripple (3500 ~ 3600MHz)	-	0.7	1.0	dB
VSWR (3500 ~ 3600MHz)	-	1.2	1.4	-
Relative Attenuation @ 3350 MHz @ 3750MHz	30.0 30.0	35.0 35.0	-	dB
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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD35526	
		Rev. Date	2014-08-28	
		Rev.	AS 01	2/4

Ceramic Bandpass Filter IFD35526

Matching Schematic

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




Marking Configuration

Part No. ¹⁾

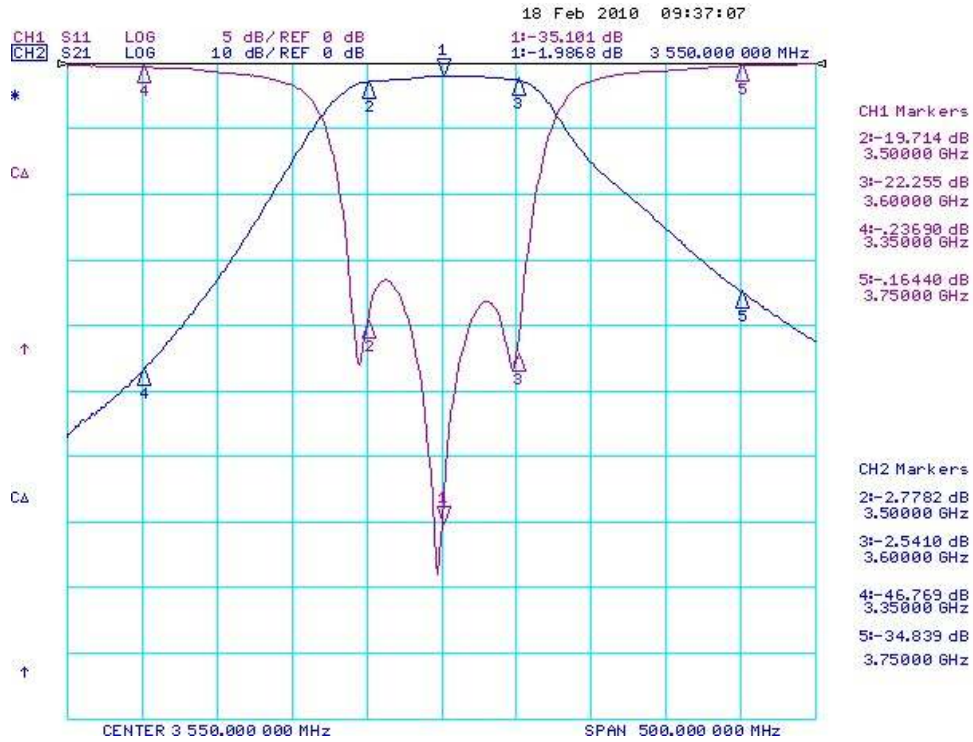
1) Part Number


* Ink or Laser Marking available

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD35526	
		Rev. Date	2014-08-28	
		Rev.	AS 01	3/4

Ceramic Bandpass Filter IFD35526

Typical Performance (at 25 °C)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD35526	
		Rev. Date	2014-08-28	
		Rev.	AS 01	4/4