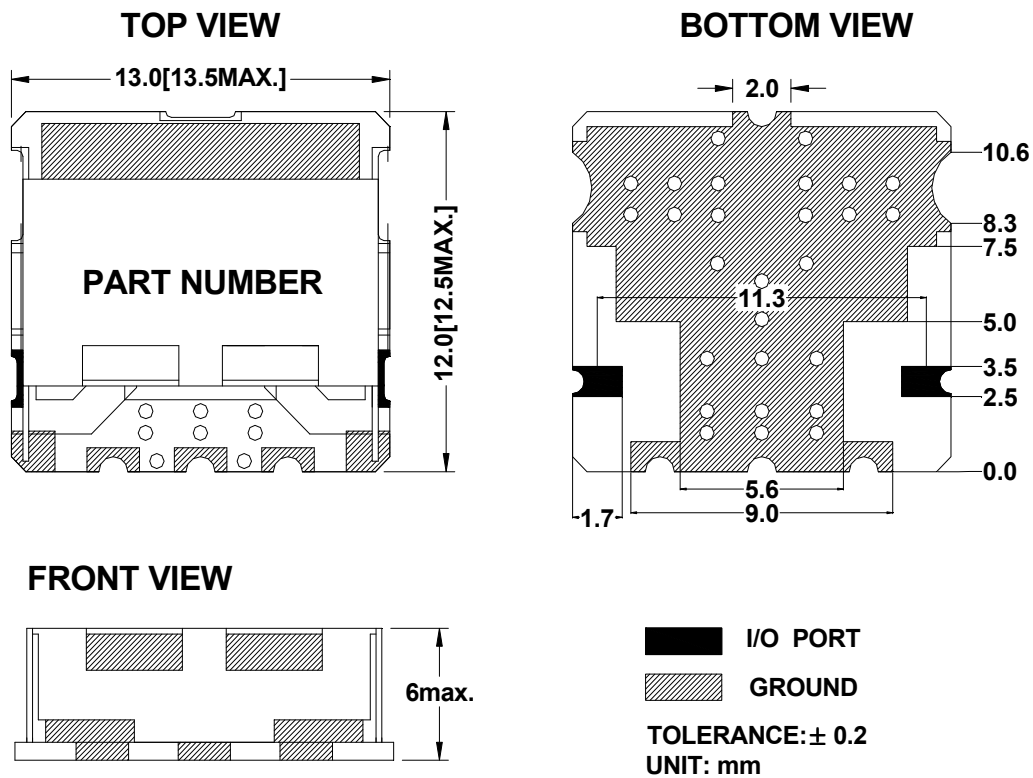


# Ceramic Bandpass Filter IFD18353

## Features

- Ceramic bandpass filter
- 50Ω single-ended operation
- Surface Mounted Module Package ( 13.5mm × 12.5mm × 6mm )


## Package Dimensions



## Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-30	25	70
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	Watt	-	-	2

Electrostatics Sensitive Device (ESD)

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFD18353	
		Rev. Date	2014-09-04	
		Rev.	AS 01	1/4

# Ceramic Bandpass Filter IFD18353


## Specifications

F<sub>0</sub> = 1832.5MHz

	Minimum	Typical	Maximum	Unit
Center Frequency ( F <sub>0</sub> )	-	1832.5	-	MHz
Insertion Loss (1805 ~ 1860MHz)	-	2.0	2.3	dB
Amplitude Ripple (1805 ~ 1860MHz)	-	0.4	0.45	dB
VSWR(1805 ~ 1860MHz)	-	1.3	1.8	-
Relative Attenuation @ 1532 MHz 1710 ~ 1765 MHz @ 2032.5 MHz	38.0 35.0 40.0	43.0 40.0 45.00	- - -	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

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# Ceramic Bandpass Filter IFD18353

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## Matching Schematic

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




## Marking Configuration

Part Number <sup>1)</sup>

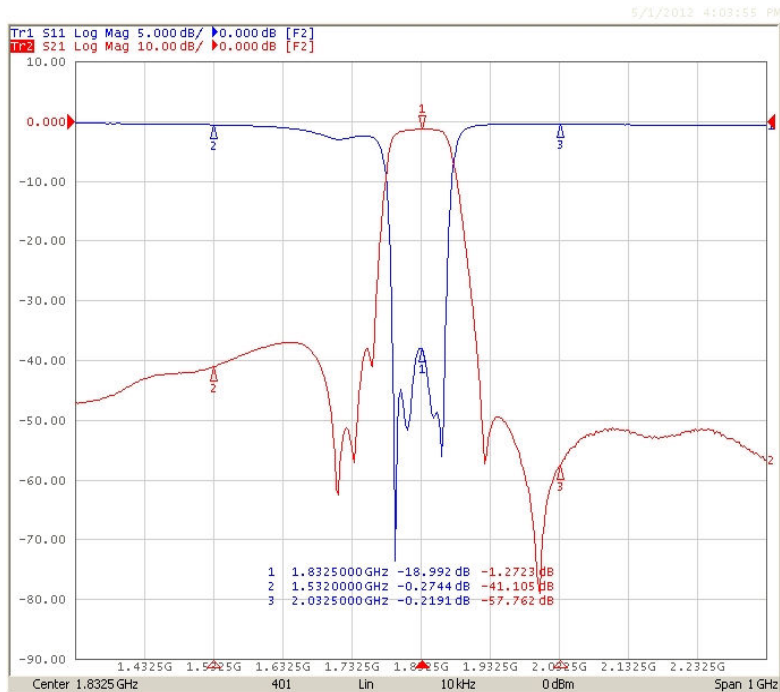
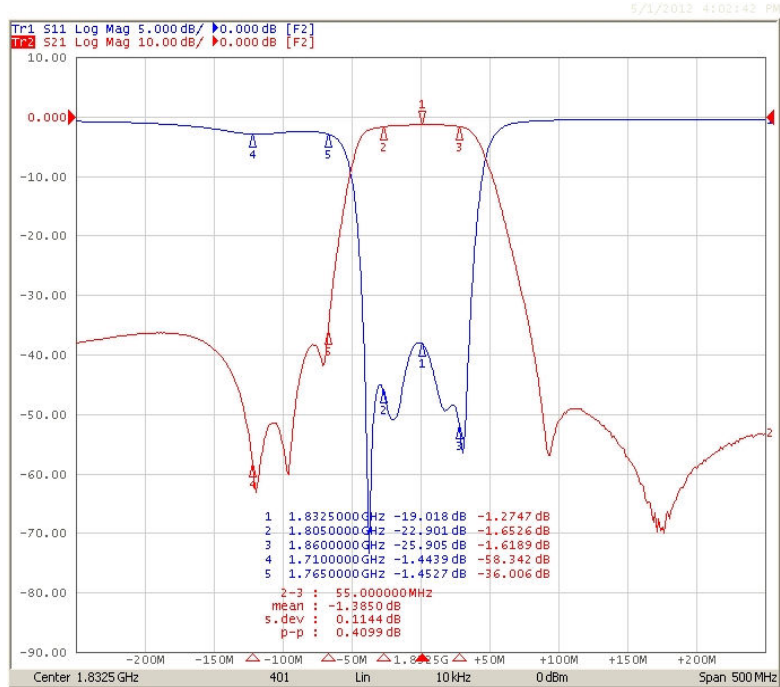
1) Part Number

\* Ink or Laser Marking available

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## Typical Performance ( at 25°C )



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