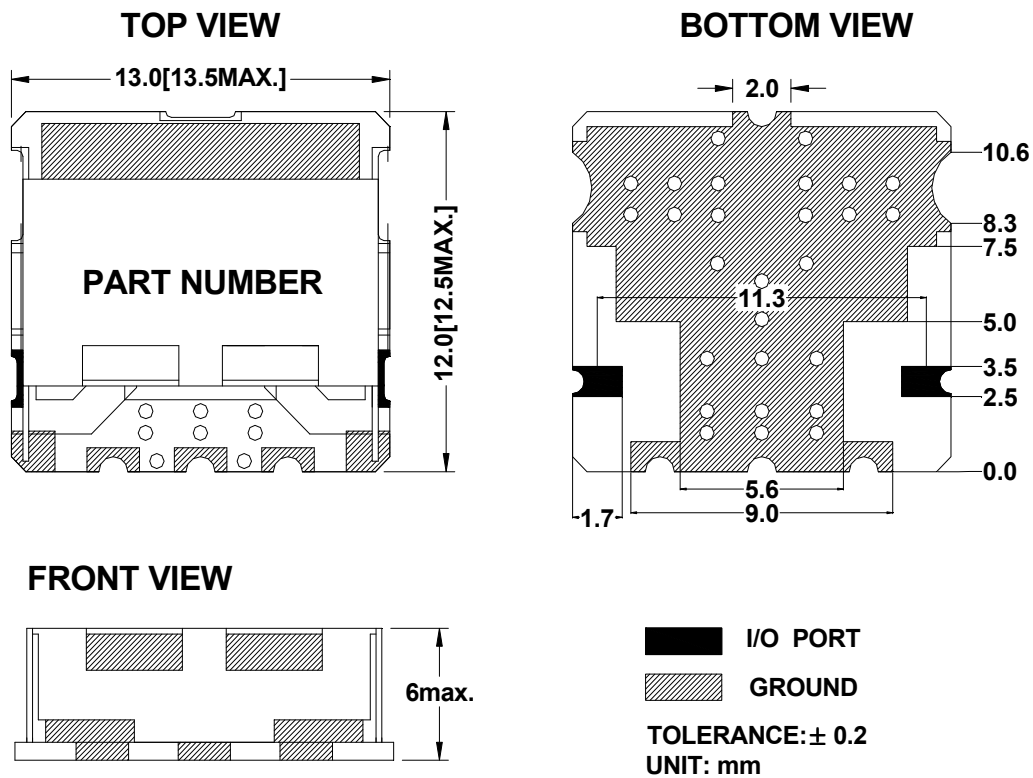


Ceramic Bandpass Filter IFD18353

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)

	ITF Co., Ltd. 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

F₀ = 1832.5MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (F ₀)	-	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

	ITF Co., Ltd. 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	2/4

Ceramic Bandpass Filter IFD18353

Matching Schematic

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




Marking Configuration

Part Number ¹⁾

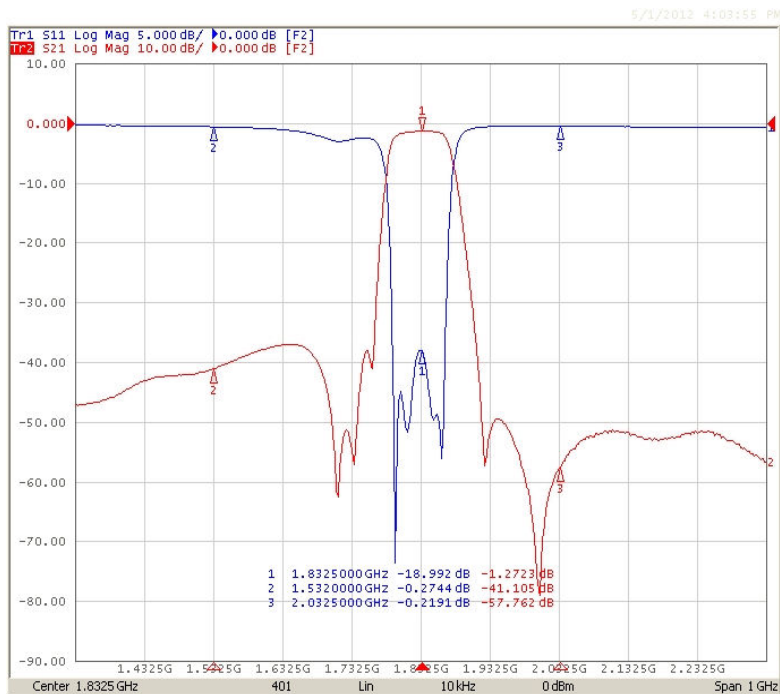
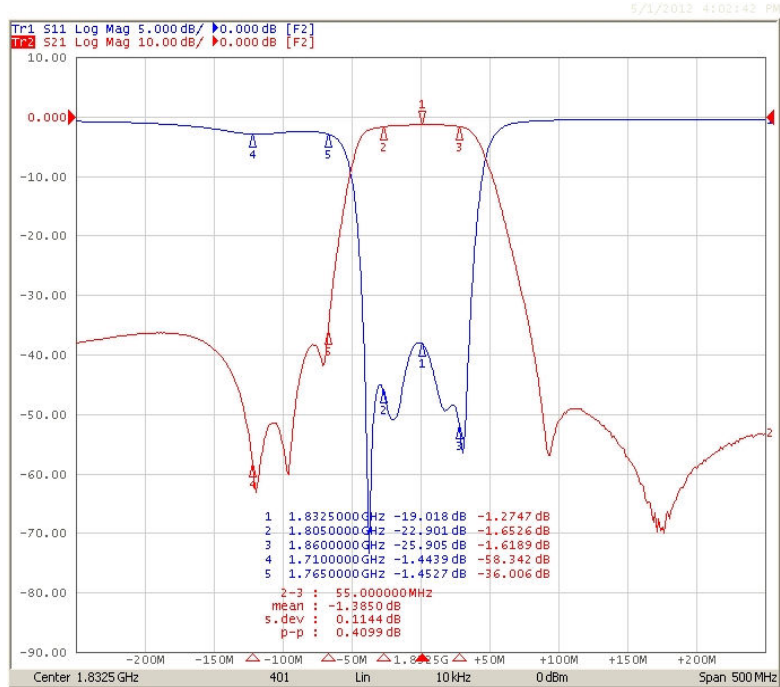
1) Part Number


* 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.	IFD18353	
		Rev. Date	2014-09-04	
		Rev.	AS 01	3/4

Ceramic Bandpass Filter IFD18353

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.	IFD18353	
		Rev. Date	2014-09-04	
		Rev.	AS 01	4/4