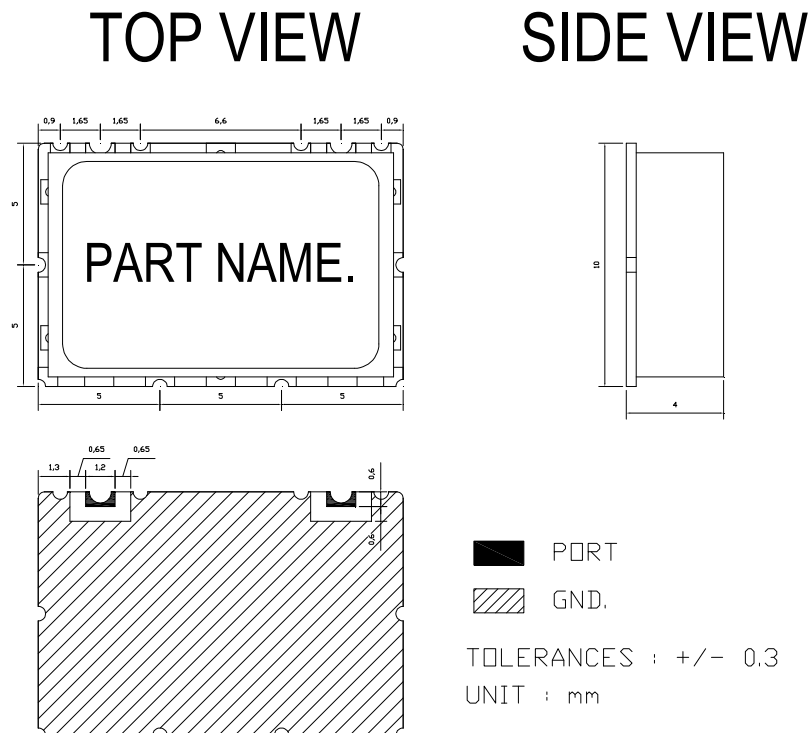


LC Bandpass Filter IFL01502

Features

- LC bandpass filter
- 50Ω single-ended operation
- Surface Mounted Package (15mm × 10mm × 4mm)

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	-	-	1.0

Electrostatics Sensitive Device (ESD)

	ITF Co., Ltd.	Part No.	IFL01502	
	102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Rev. Date	2014-09-12	
		Rev.	AS 01	1/5

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Preliminary Specifications

Fo = 157 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	157	-	MHz
Insertion Loss (152 ~ 162MHz)	-	3.0	5.0	dB
Amplitude Ripple (152 ~ 162MHz)	-	0.5	1.0	dB
Return Loss (152 ~ 162MHz)	15	18	-	dB
Relative Attenuation				
@ Fo ± 20 MHz	40.0	45.0	-	dB
@ 314 MHz	40.0	45.0	-	
@ 471 MHz	50.0	55.0	-	
@ 2000 MHz	20.0	25.0	-	
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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Matching Schematic

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




Marking Configuration

Part Name. ¹⁾

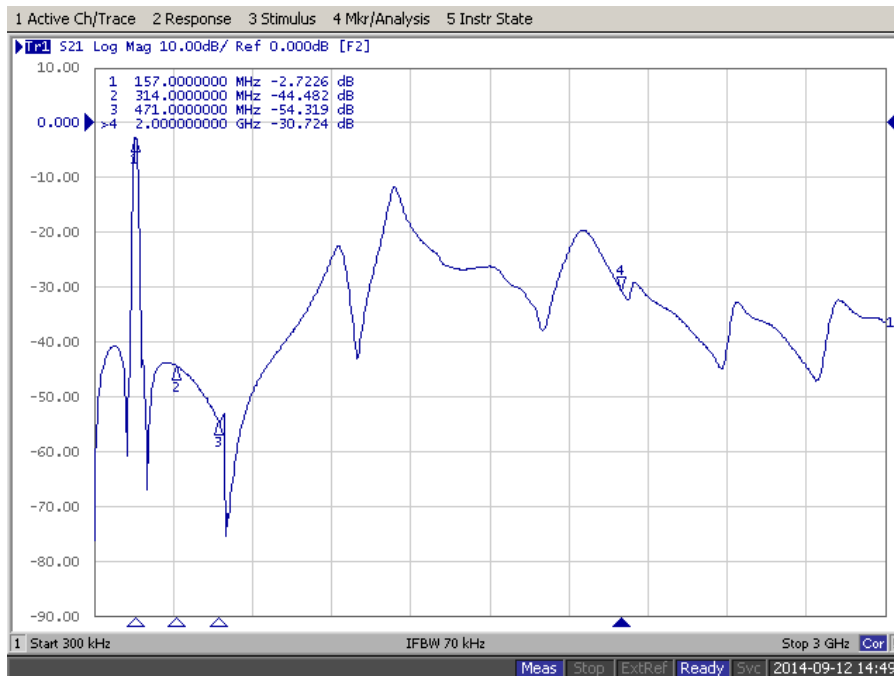
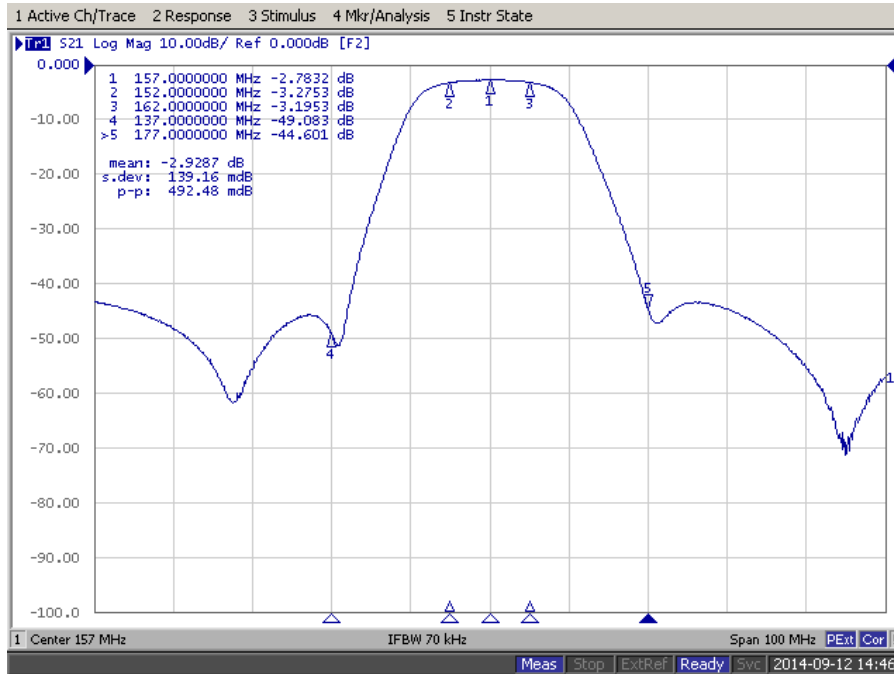
1) Part Number

* Ink or Laser Marking available

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Typical Performance (at 25 °C)

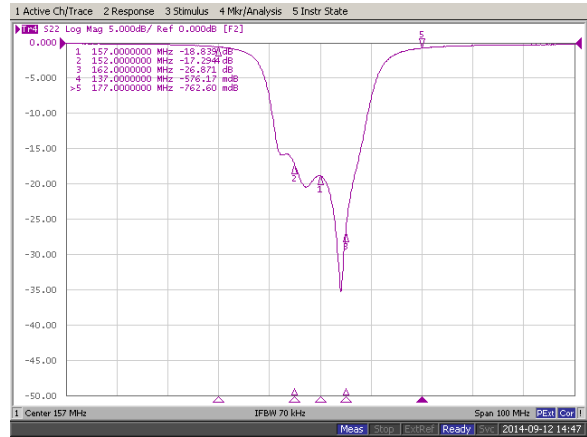
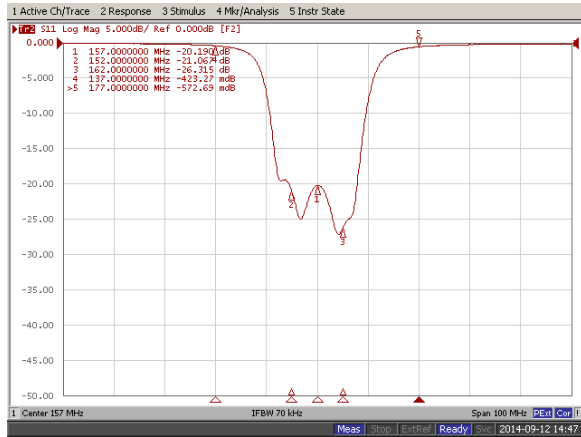


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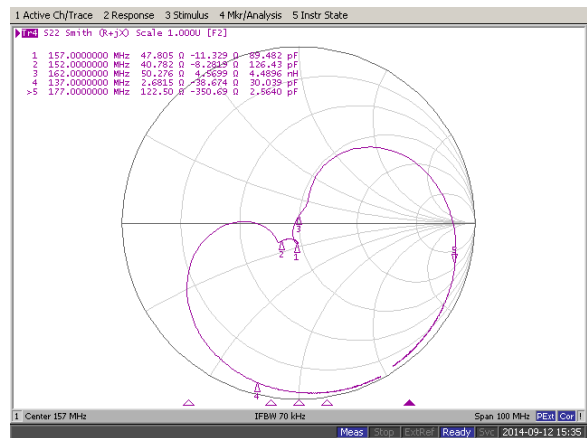
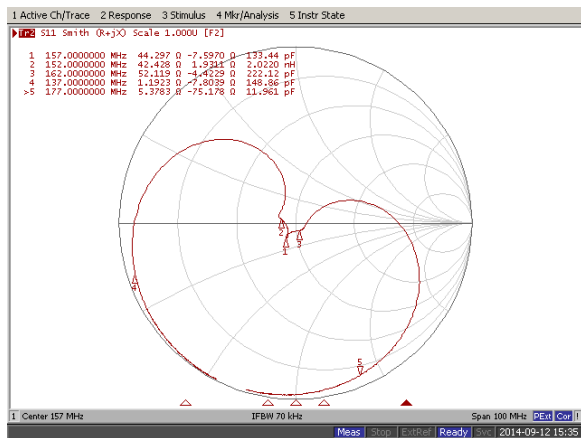
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Input / Output Return Loss Charts



Input / Output Smith Charts



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Part No.	IFL01502	
Rev. Date	2014-09-12	
Rev.	AS 01	5/5