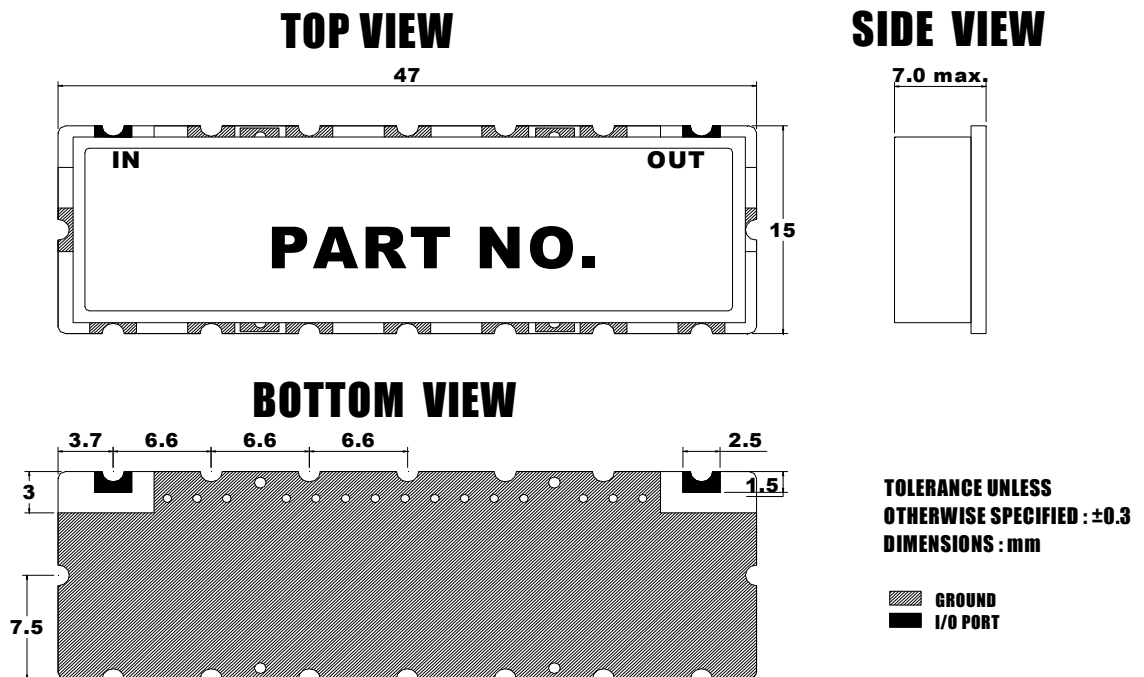


LC Bandpass Filter IFL0114

Features

- LC bandpass filter
- 50Ω single-ended operation
- Surface Mounted Package (47mm × 15mm × 7.0mm)


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	-	-	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.	IFL01114	
		Rev. Date	2014-08-26	
		Rev.	AS 01	1/4

LC Bandpass Filter IFL0114


Specifications

Fo = 115.5 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	115.5	-	MHz
Insertion Loss (83~ 148MHz)	-	2.0	2.5	dB
Amplitude Ripple (83~ 148MHz)	-	0.5	0.8	dB
Return Loss (83~ 148MHz)	13	17	-	dB
Relative Attenuation @ 160 MHz	20.0	23.0	-	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

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LC Bandpass Filter IFL0114

Matching Schematic

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




Marking Configuration

Part No. ¹⁾

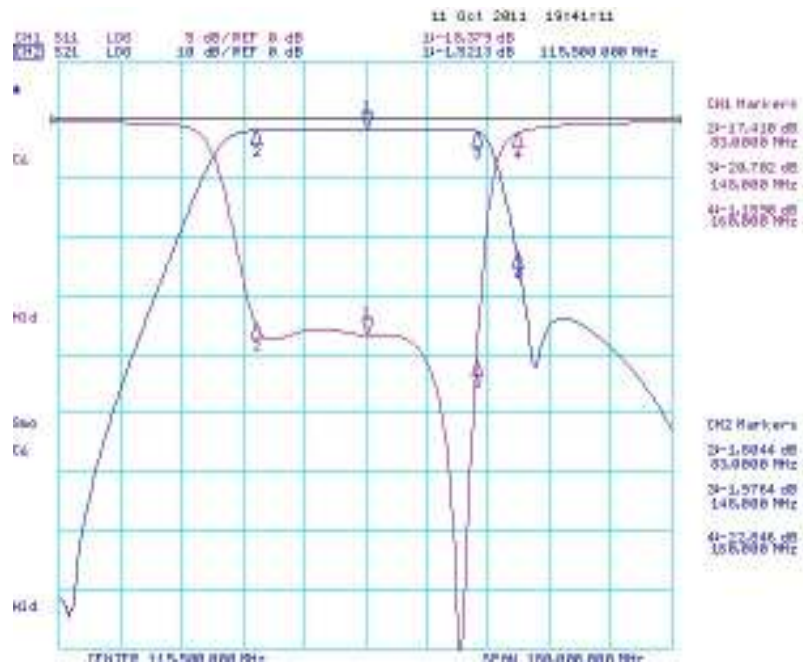
1) Part Number


* Ink or Laser Marking available

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LC Bandpass Filter IFL0114

Typical Performance (at 25 °C)



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