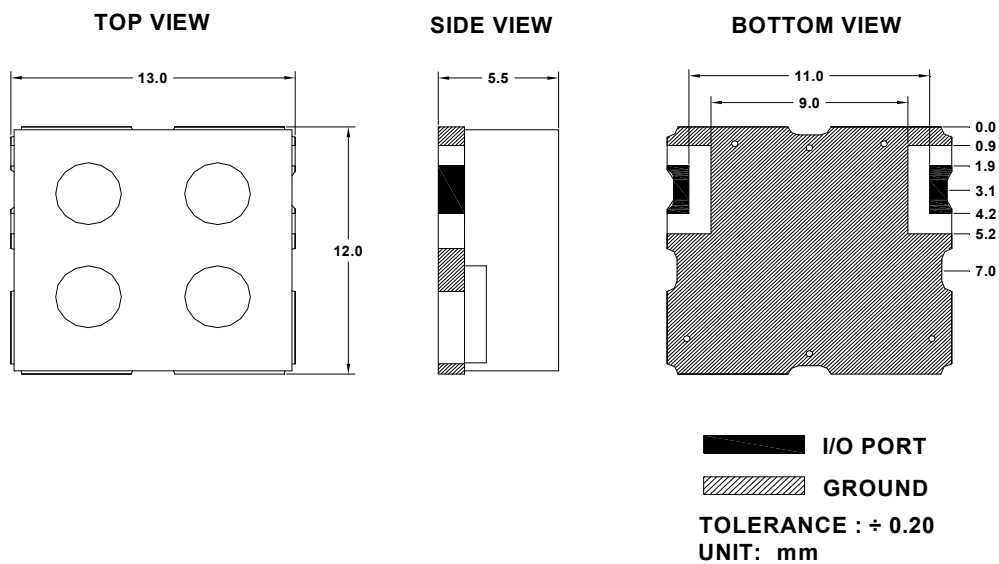


LC Bandpass Filter IFL04510

Features

- LC bandpass filter
- 50Ω single-ended operation
- Surface Mounted Package (13mm × 12mm × 5.5mm)


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.	IFL04510	
		Rev. Date	2014-08-26	
		Rev.	AS 01	1/4

LC Bandpass Filter IFL04510


Specifications

F_o = 455 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (F _o)	-	455	-	MHz
Insertion Loss (454~ 456MHz)	-	2.5	3.0	dB
Amplitude Ripple (454~ 456MHz)	-	0.3	0.5	dB
Return Loss (454~ 456MHz)	15	20	-	dB
Relative Attenuation @ 910 MHz	35.0	40.0	-	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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Matching Schematic

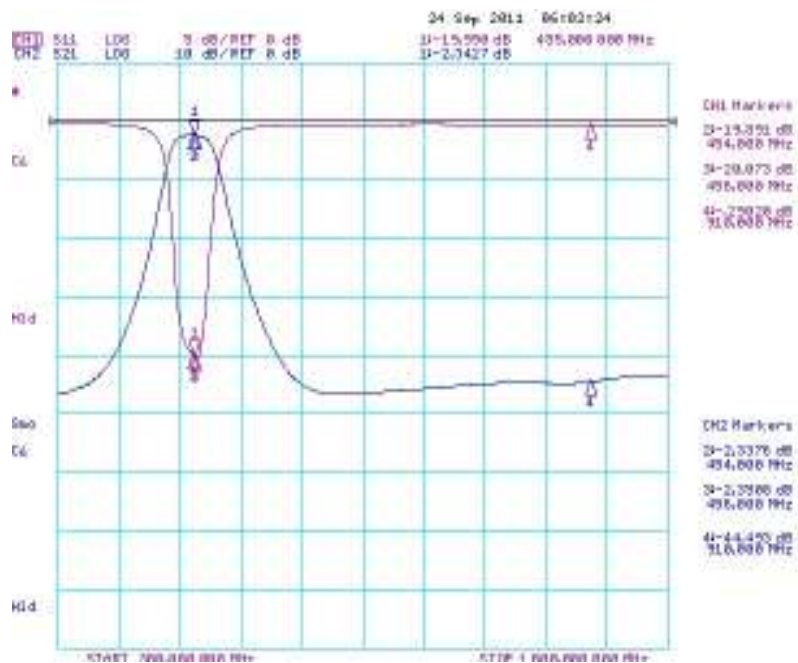
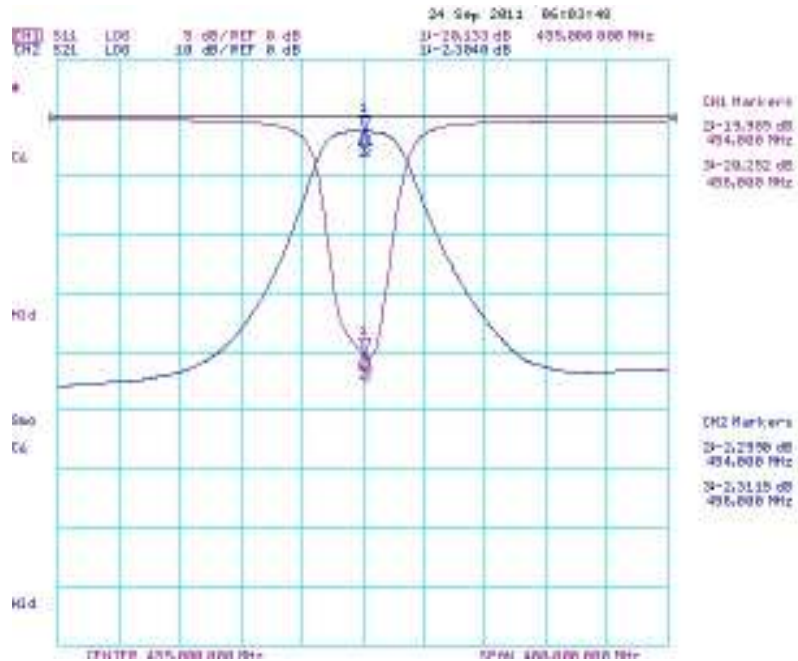
(Actual matching values may vary due to PCB layout and parasitics)




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Typical Performance (at 25°C)



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