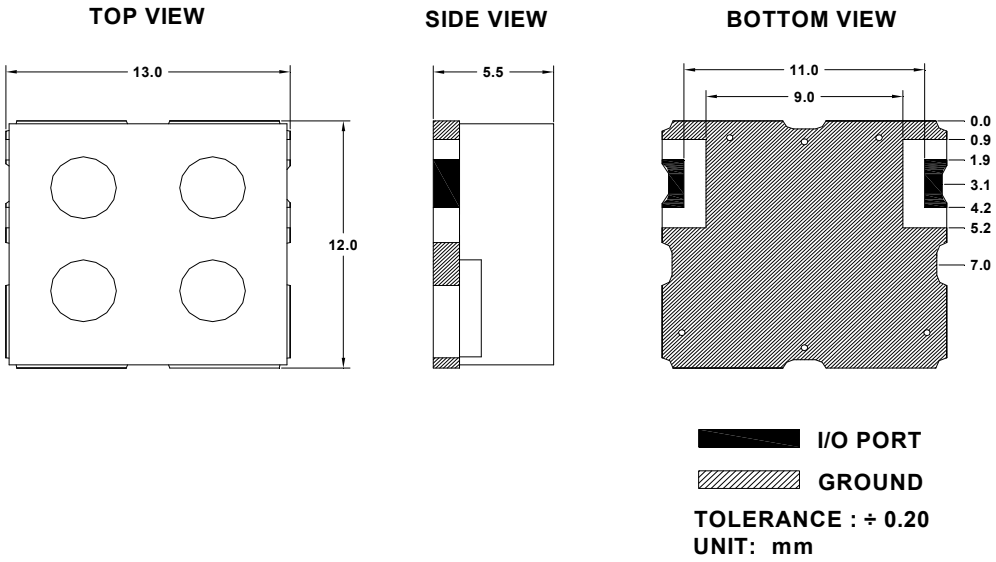
LC Bandpass Filter IFL04510

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**)

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Specifications

Fo = 455 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fo)	-	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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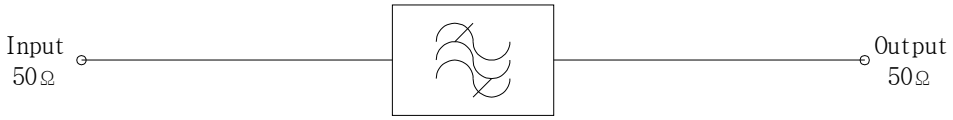
Matching Schematic

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



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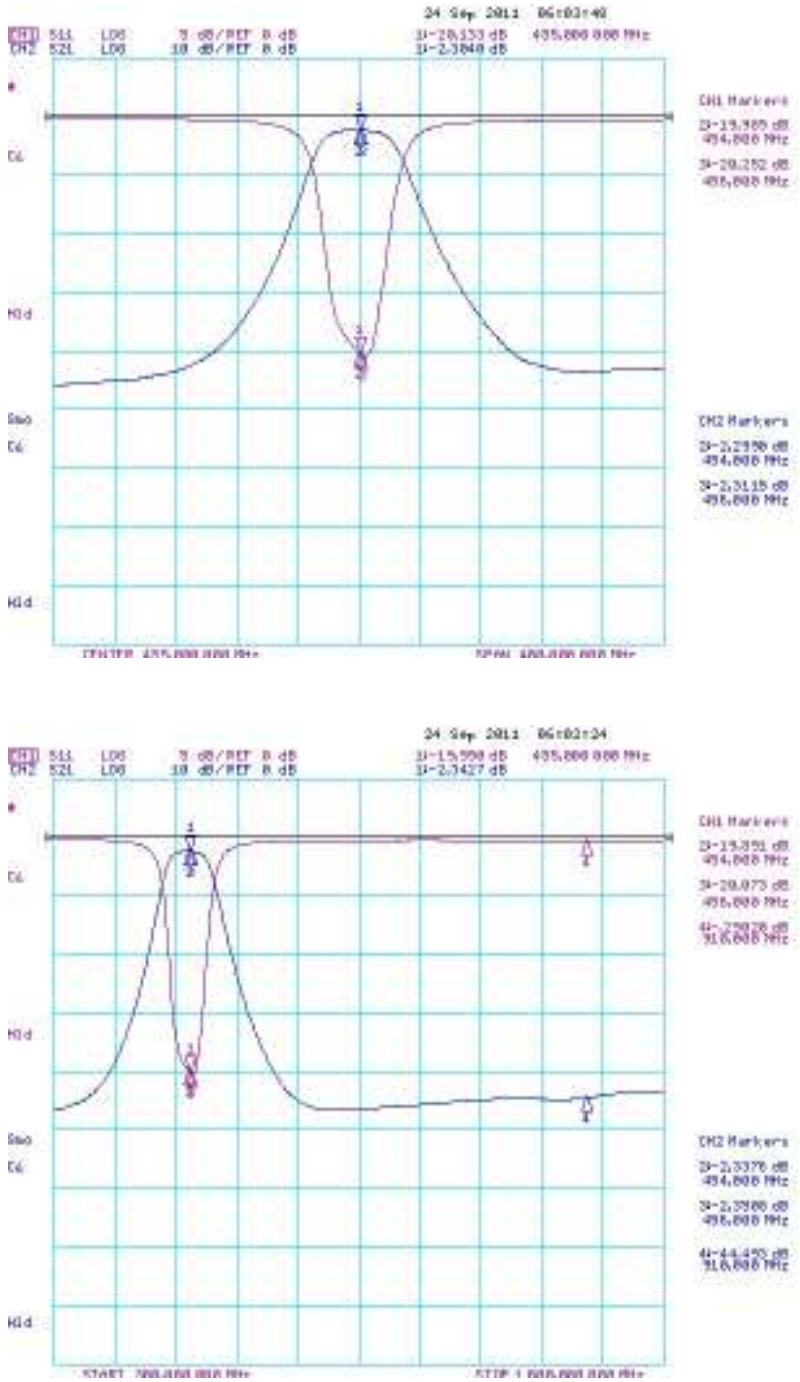
Typical Performance (at 25℃)



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		Rev. Date	2014-08-26	
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