

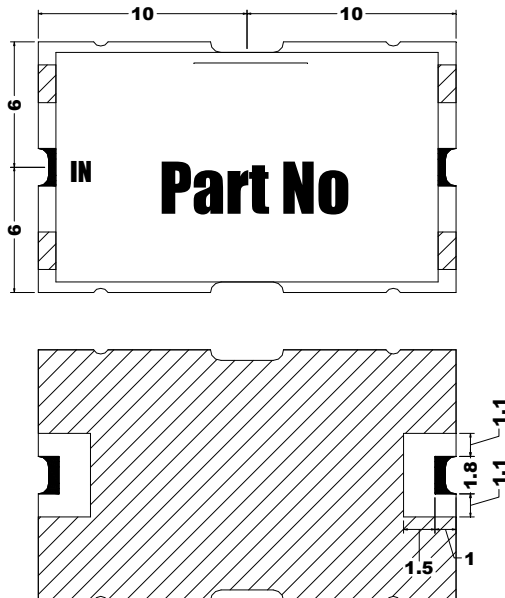
# LC Bandpass Filter IFL00513

## Features

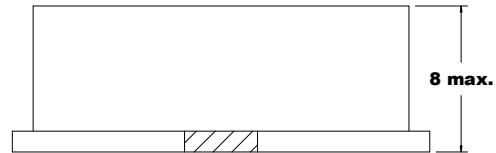
- LC bandpass filter
- 50Ω single-ended operation
- Surface Mounted Package ( 20mm × 12mm × 8.0mm )

## Package Dimensions

### TOP VIEW



### SIDE VIEW




**TOLERANCE UNLESS  
OTHERWISE SPECIFIED : ±0.3  
DIMENSIONS : mm**

 **GROUND**  
 **I/O PORT**

## 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)

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	IFL00513	
		Rev. Date	2014-08-26	
		Rev.	AS 01	1/4

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## Specifications

F<sub>o</sub> = 57.6 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency ( F <sub>o</sub> )	-	57.6	-	MHz
Insertion Loss (47.6~67.6MHz)	-	1.8	2.0	dB
Amplitude Ripple (47.6~67.6MHz)	-	0.3	0.5	dB
Return Loss (47.6~67.6MHz)	15	20	-	dB
Relative Attenuation @ 115.2 MHz	40.0	43.0	-	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 )




## Marking Configuration

Part No <sup>1)</sup>

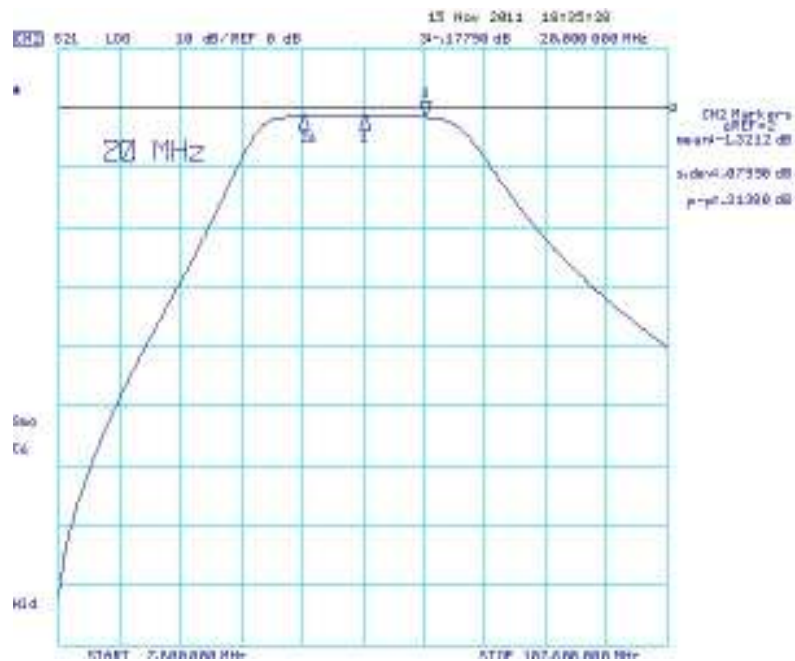
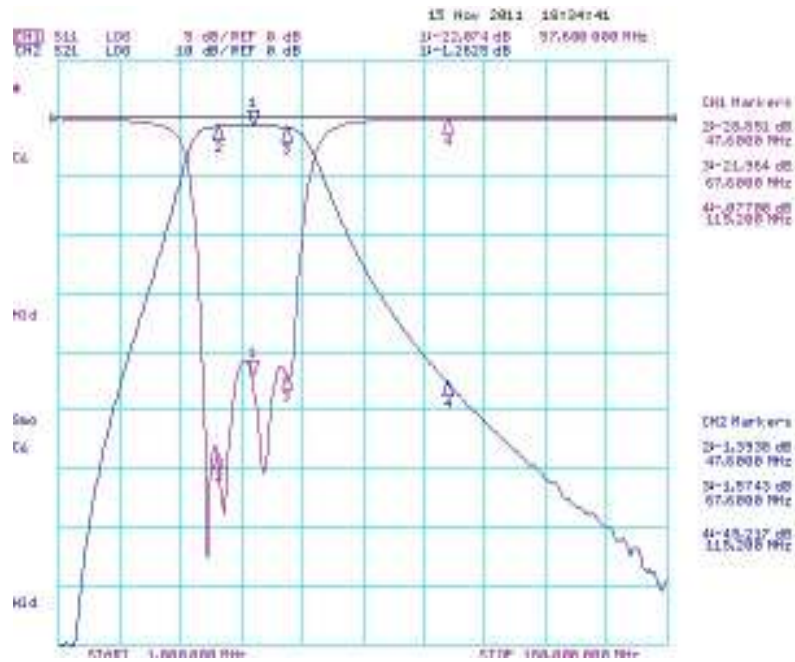
1) Part Number


\* Ink or Laser Marking available

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## Typical Performance ( at 25 °C )



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