

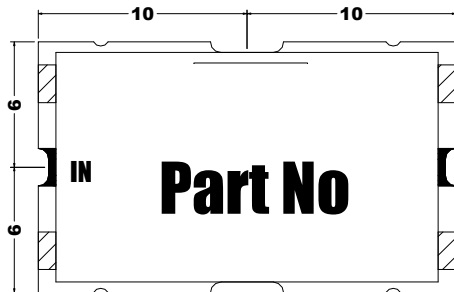
LC Bandpass Filter IFL00513

Features

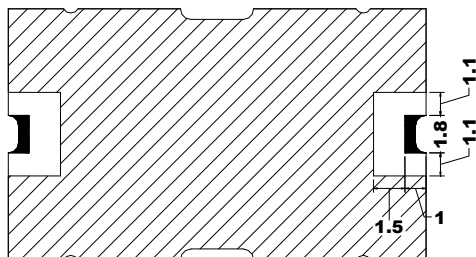
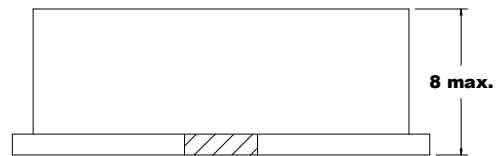
- LC bandpass filter
- 50Ω single-ended operation
- Surface Mounted Package (20mm × 12mm × 8.0mm)

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)

| | | | | |
|---|---|-----------|------------|-----|
|  | ITF Co., Ltd. 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_o = 57.6 MHz

| | Minimum | Typical | Maximum | Unit |
|-------------------------------------|---------|---------|---------|------|
| Center Frequency (F _o) | - | 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 ¹⁾

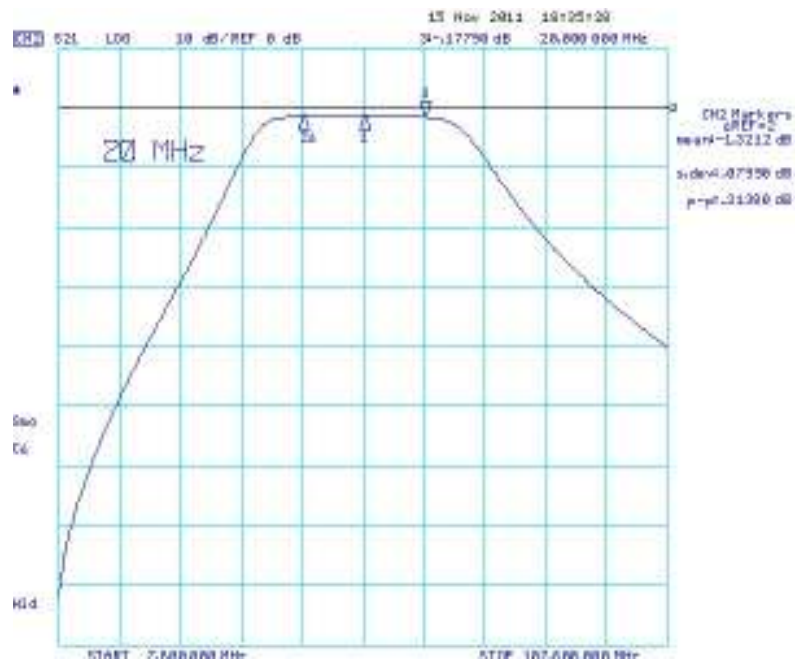
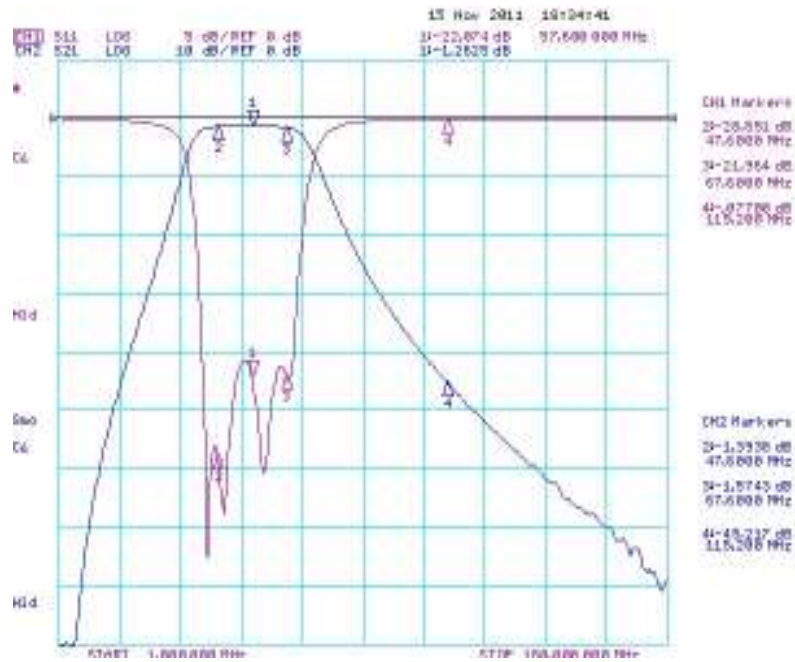
1) Part Number


* Ink or Laser Marking available

| | | | | |
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Typical Performance (at 25 °C)



| | | | | |
|---|---|-----------|------------|-----|
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