PRODUCT SPECIFICATION

REV A January 2011

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
807-IF183.6M-A	183.6MHz Bandpass Filter

Specification Contents

- Mechanical Dimensions
- Test Circuit
- Maximum Ratings
- Electrical Specification
- Frequency Response

Notes

- Electrostatic Sensitive Device (ESD)
- Avoid excessive ultrasonic exposure
- Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- This product complies with EU directive 2002/95/EC (RoHS compliance)

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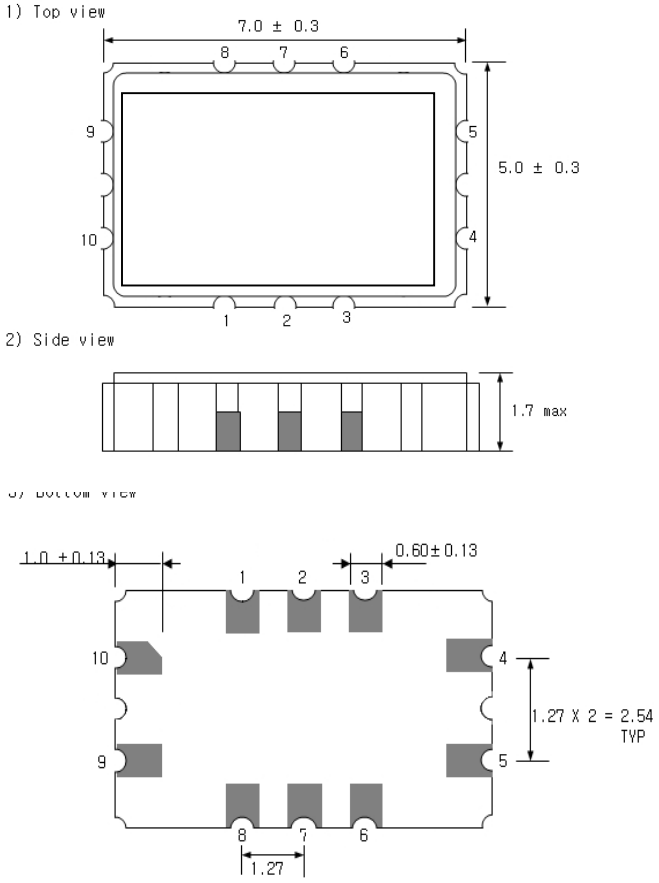
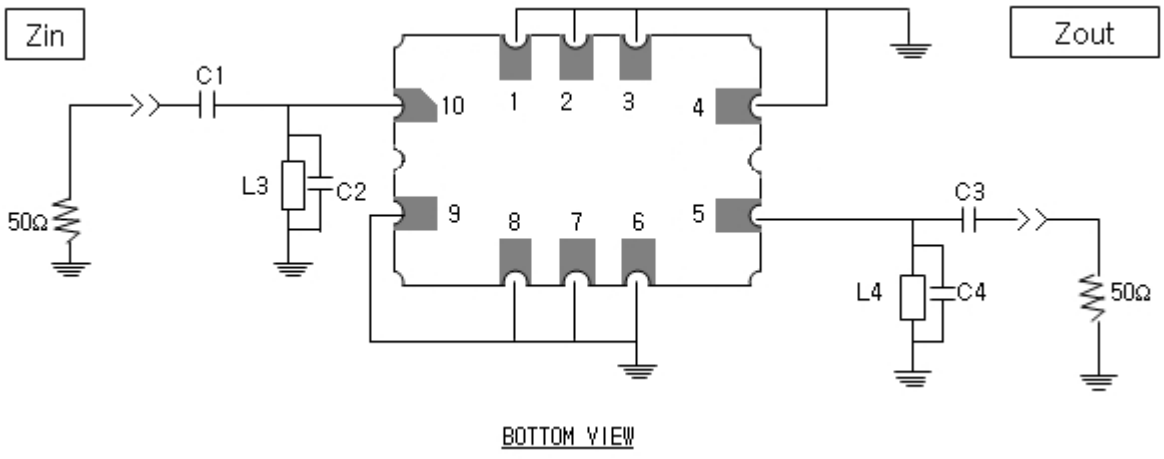
Mechanical Dimensions (mm)



Pin Description	
1, 2, 3, 4, 6, 7, 8, 9	Ground
10	Input
5	Output

Test Circuit



Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-

Notes: With Matching Network (Ref. Testing Environment Circuit as shown above).
Those impedances could be modified with different impedance values and/or structures, if necessary.

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	183.6	-
Insertion Loss at Fo	dB	-	7.3	10.0
Passband Ripple at Fo±300 KHz	dB	-	0.35	1.2
Attenuation at:				
Fo+615 KHz	dB	-	4.3	5.0
Fo-615 KHz	dB	-	4.3	5.0
Fo+900 KHz	dB	33	38	-
Fo-900 KHz	dB	33	36.6	-
Fo+1.25 MHz	dB	35	45	-
Fo-1.25 MHz	dB	35	39	-
Fo+1.7 MHz	dB	33	45	-
Fo-1.7 MHz	dB	33	37	-
Fo+2.05 MHz	dB	35	45	-
Fo-2.05 MHz	dB	35	41	-
Substrate Material	-	-	Quartz	-

Frequency Response