PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
860-RF751.0M-B	LTE, RF-Rx SAW Filter

Specification Contents

- Mechanical Dimensions
- Test Circuit
- Maximum Ratings
- Electrical Specification
- Frequency Performance
- VSWR
- Smith Chart

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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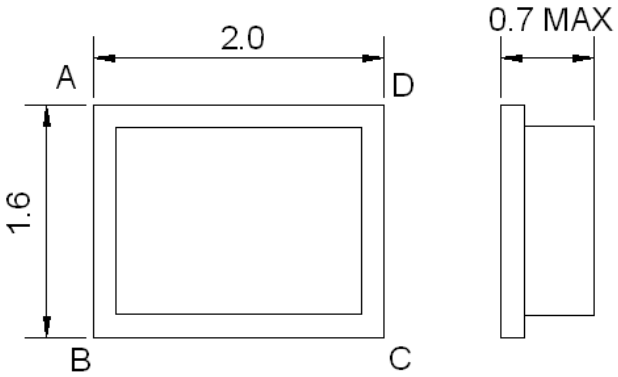
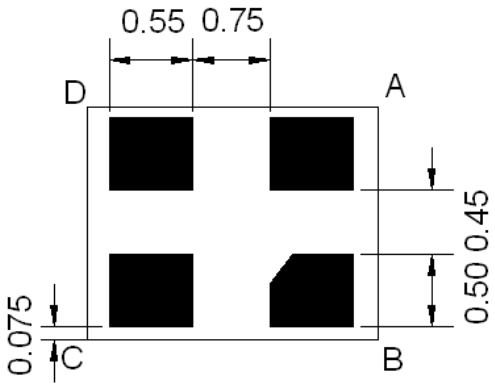
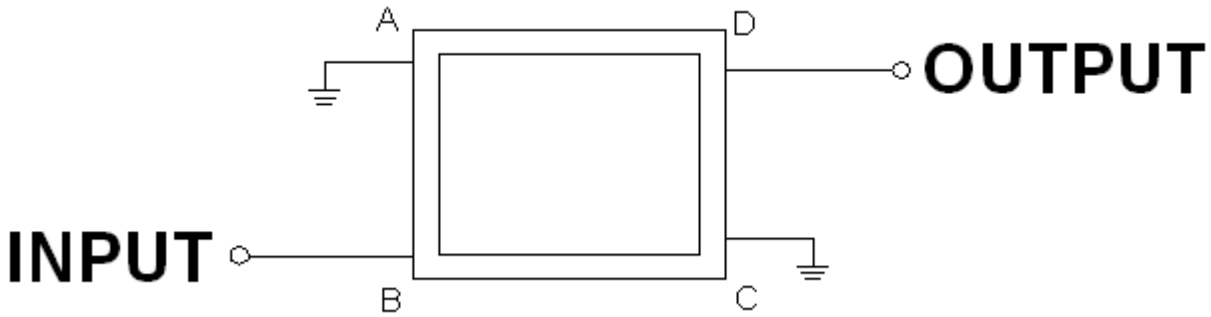
Mechanical Dimensions (mm)



Pin Description	
A, C	Ground
B	In
D	Out



Test Circuit



Source and Load Impedance: 50 Ω

Maximum Ratings

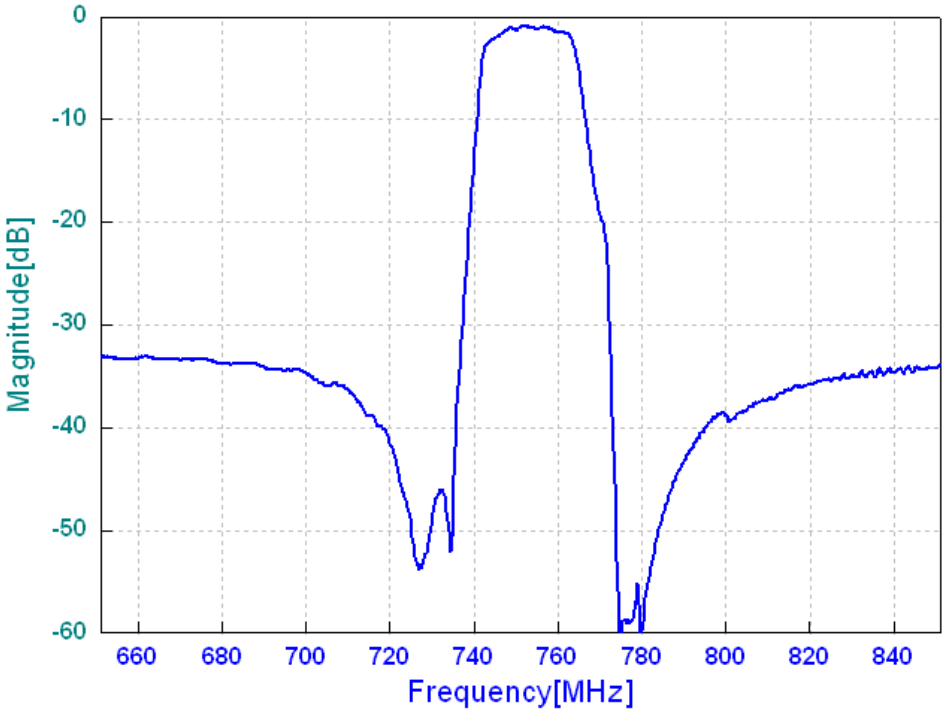
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	25
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-

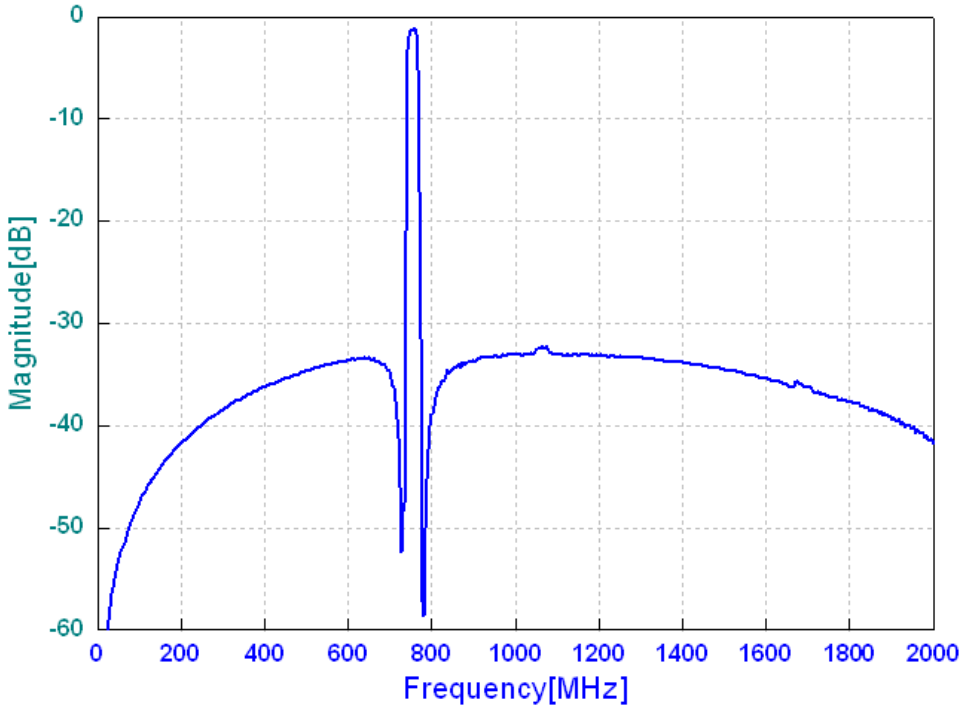
Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown above).
(2) Insertion Loss is including PCB Loss. (PCB Loss, 0.2dB)

Electrical Specification

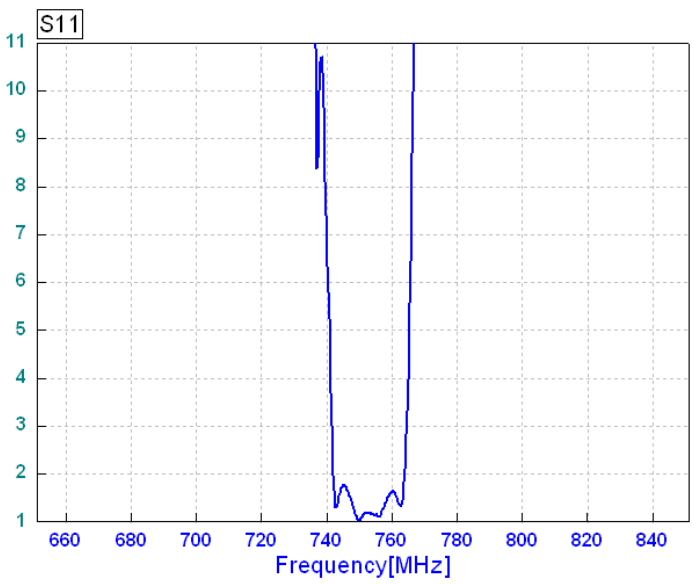
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	751.0	-
Insertion Loss within 746.0~756.0MHz	dB	-	1.8	2.5
Amplitude Ripple within 746.0~756.0MHz	dB_{p-p}	-	0.7	1.5
Attenuation:				
1.0 ~ 728.0 MHz	dB	32	34	-
777.0 ~ 787.0 MHz	dB	42	45	-
787.0 ~ 1920.0 MHz	dB	32	33	-
VSWR within 746.0~756.0MHz	-	-	1.7	2.3

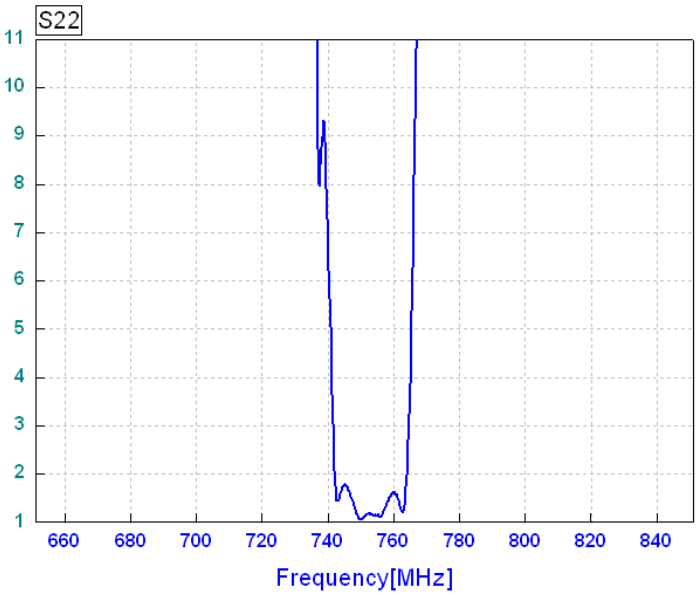
Frequency Performance





VSWR





Smith Chart