PRODUCT SPECIFICATION

REV A January 2011

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
862-RF781.5M-A	LTE, TX Balanced RF SAW Filter

Specification Contents

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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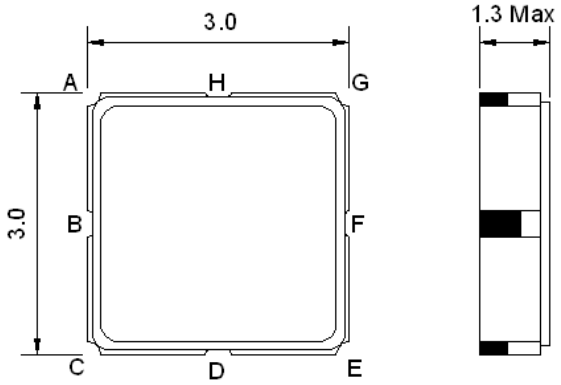
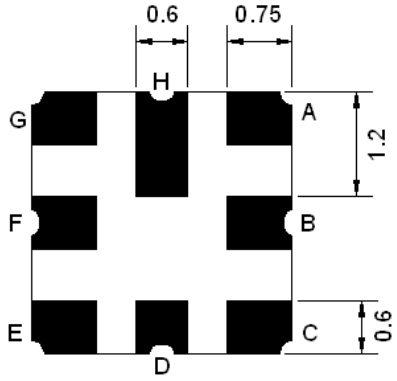
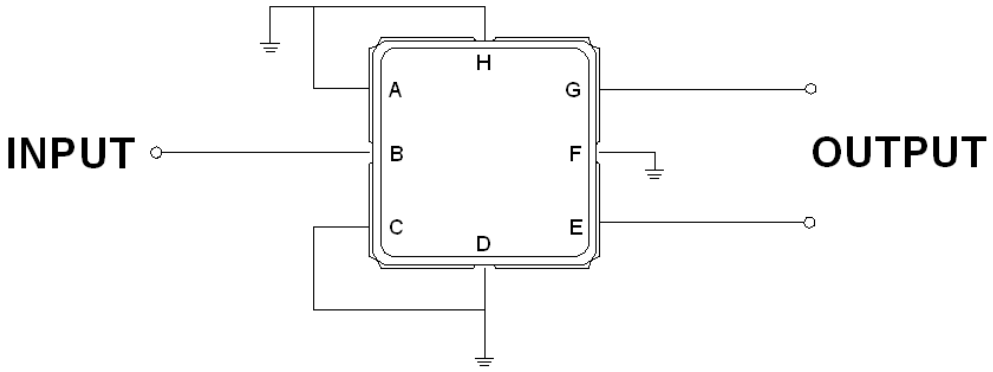
Mechanical Dimensions (mm)



Pin Description	
A, C, D, F, H	Ground
B	In
E, G	Out



Test Circuit



Source Impedance: 50 Ω

Load Impedance: 100 Ω

Maximum Ratings

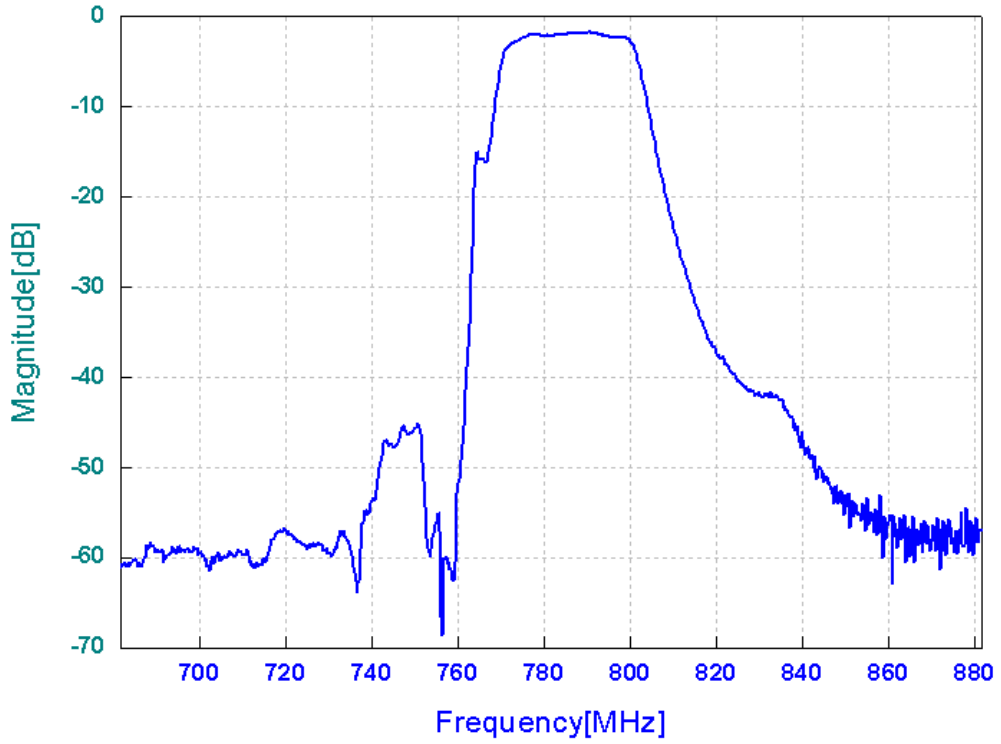
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	25
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	100	-

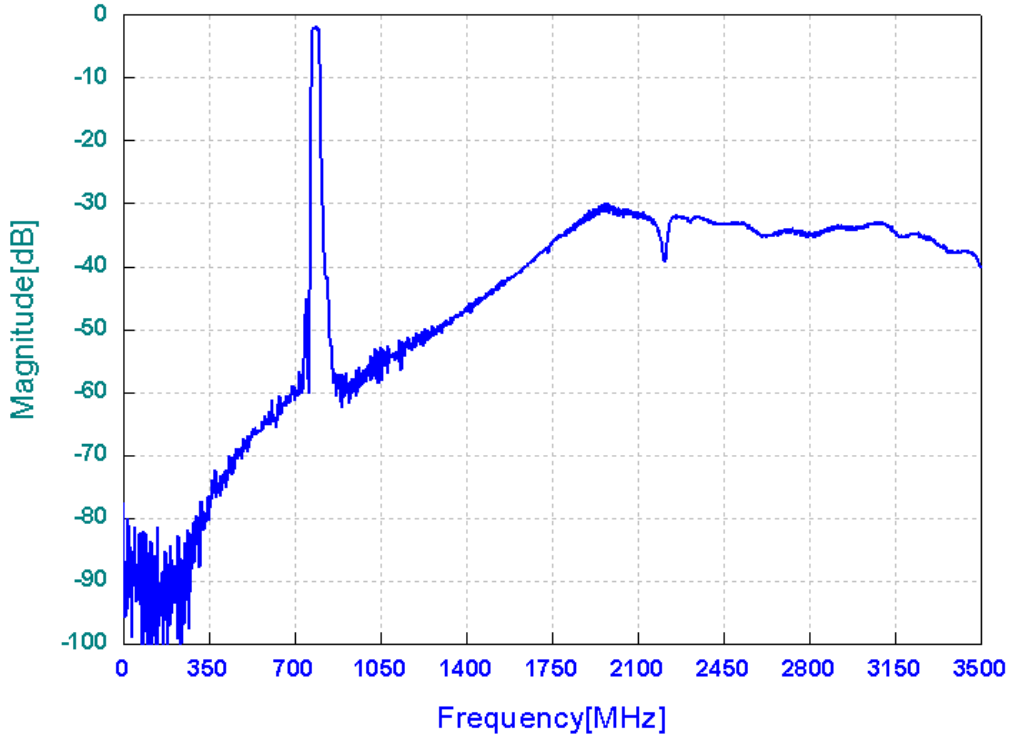
Notes: No Matching Network

Electrical Specification

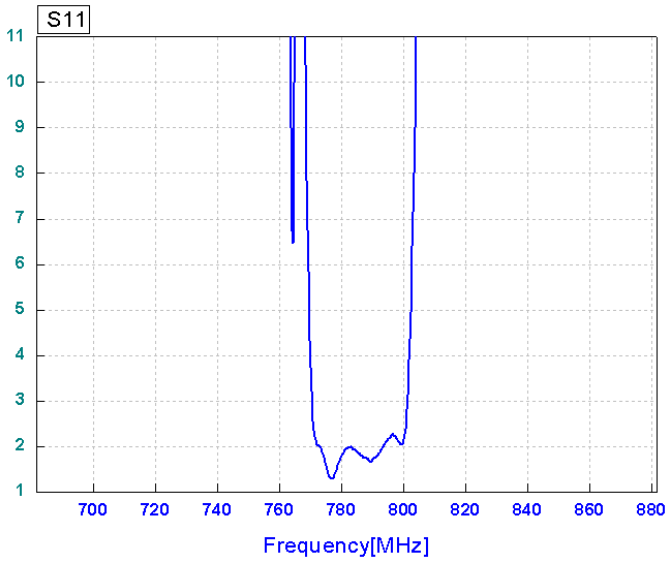
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	781.5	-
Insertion Loss within 776.0 ~ 787.0 MHz	dB	-	2.3	2.7
Amplitude Ripple within 776.0~787.0MHz	dB_{p-p}	-	0.3	1.0
Attenuation:				
746.0 ~ 757.0 MHz	dB	40	45	-
869.0 ~ 894.0 MHz	dB	45	55	-
1552.0 ~ 1574.0 MHz	dB	35	42	-
1574.42 ~ 1576.42 MHz	dB	35	42	-
1805.0 ~ 1880.0 MHz	dB	25	33	-
1930.0 ~ 2000.0 MHz	dB	25	30	-
2328.0 ~ 2361.0 MHz	dB	25	30	-
3104.0 ~ 3148.0 MHz	dB	20	30	-
VSWR within 776.0~787.0 MHz	-	-	2.0	2.5

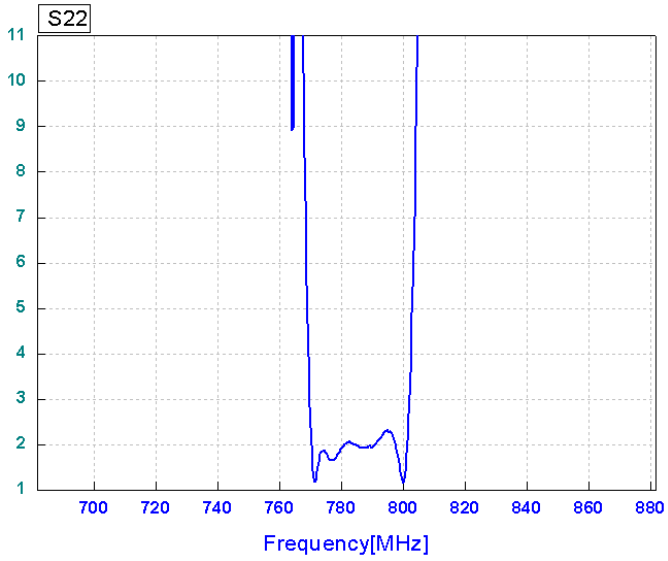
Frequency Performance





VSWR





Smith Chart