



PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
808-RF858.5M-A	PTT, Rx Balanced RF SAW Filter

Specification Contents

- o Mechanical Dimensions
- o Test Circuit
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- o Frequency Performance
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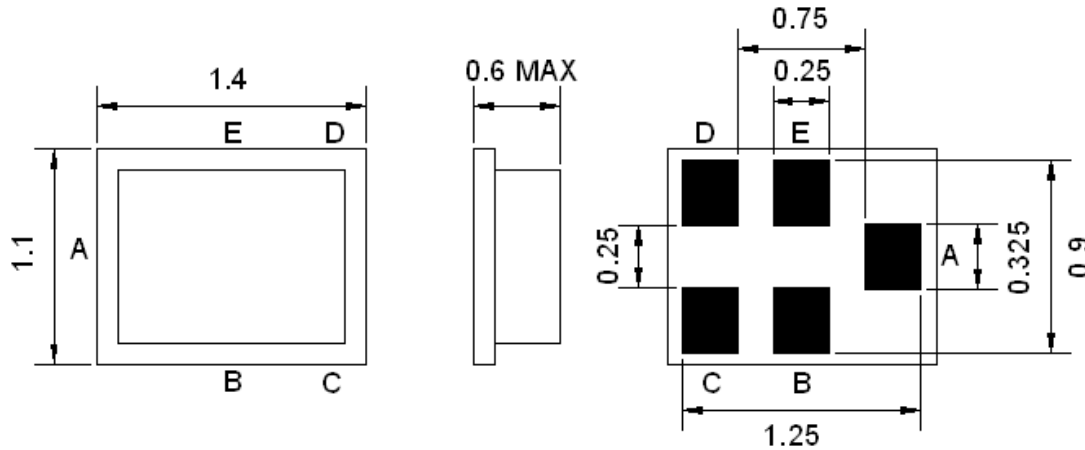
Notes

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



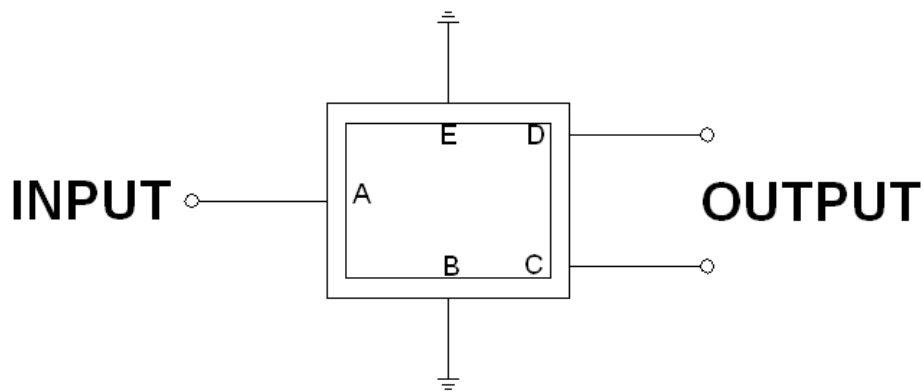


Mechanical Dimensions (mm)



Pin Description	
B, E	Ground
A	Input
C, D	Balance Output

Test Circuit



Source Impedance: 50 Ω

Load Impedance: 150 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	-	-	13
Source Impedance (Single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (Balanced ended)	Ω	-	150	-

Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown above).

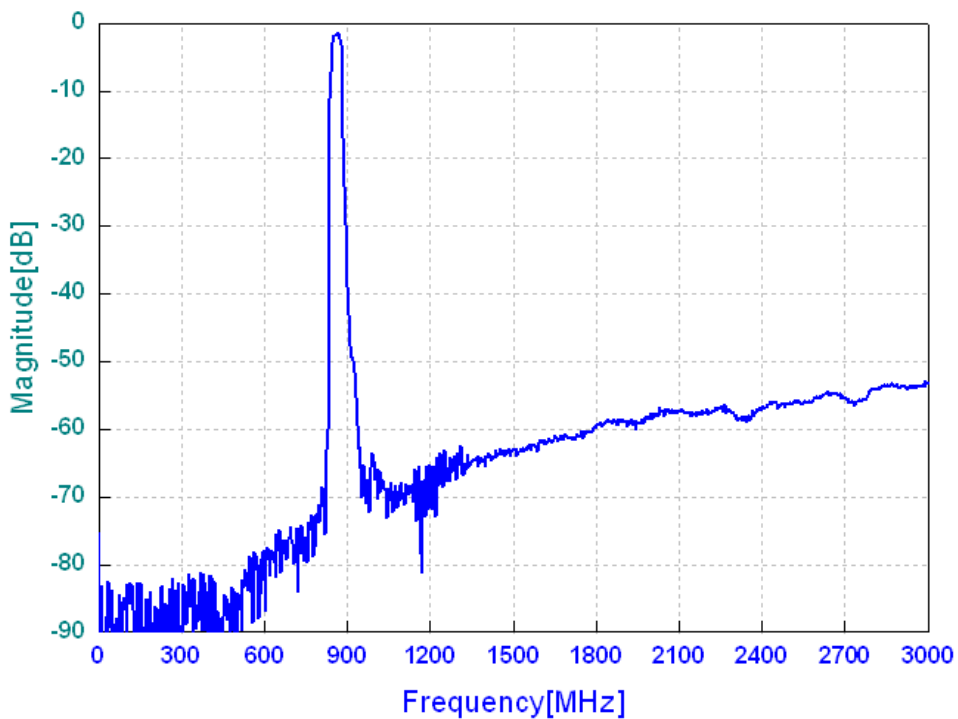
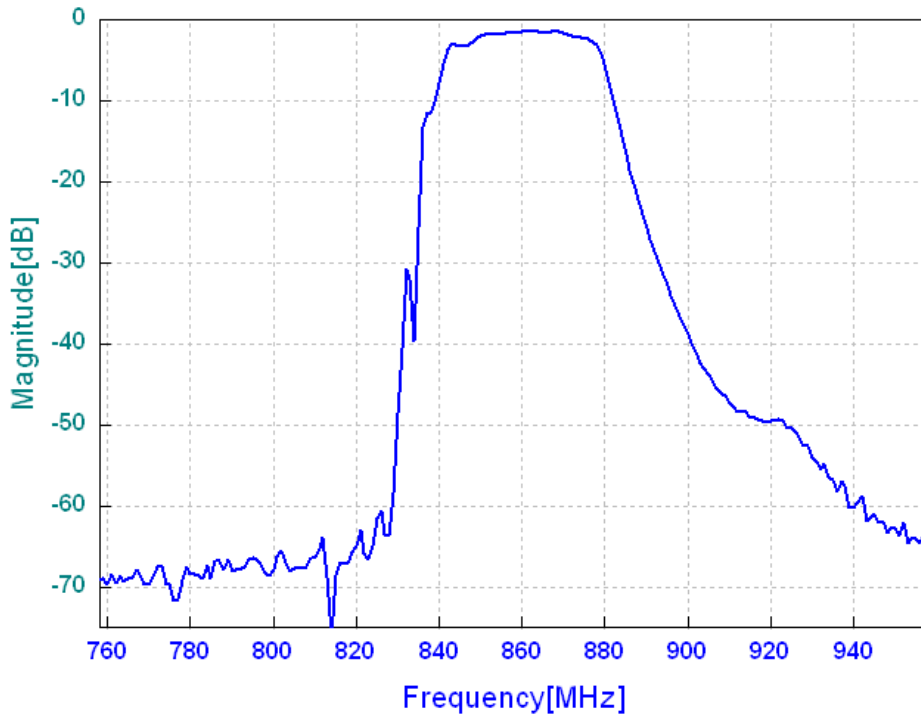
(2) Insertion Loss is including PCB Loss. (PCB Loss, 0.2dB)

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	858.5	-
Insertion Loss within 851.0 ~ 866.0MHz	dB	-	1.9	2.5
Amplitude Ripple within 851.0 ~ 866.0MHz	dB _{p-p}	-	0.5	1.0
Attenuation:				
D.C ~ 806.0 MHz	dB	50	60	-
806.0 ~ 821.0 MHz	dB	45	60	-
931.0 ~ 955.0 MHz	dB	40	55	-
955.0 ~ 1066.0 MHz	dB	45	60	-
1066.0 ~ 2600.0 MHz	dB	45	55	-
VSWR within 851.0 ~ 866.0MHz	dB	-	1.5	2.5

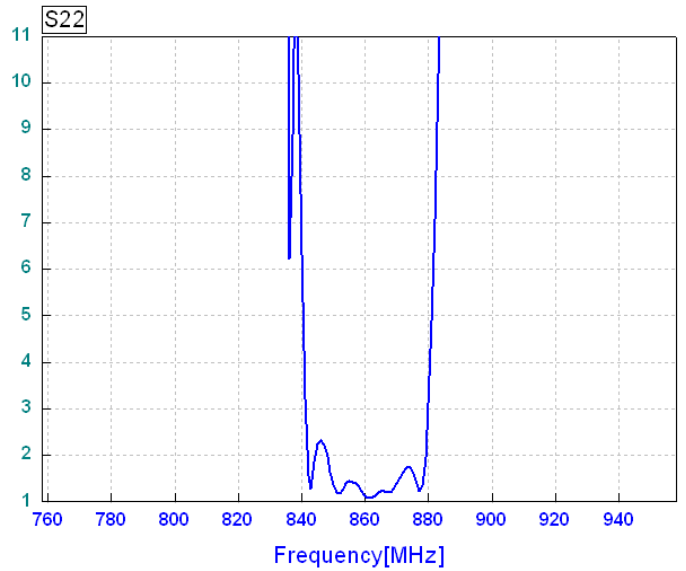
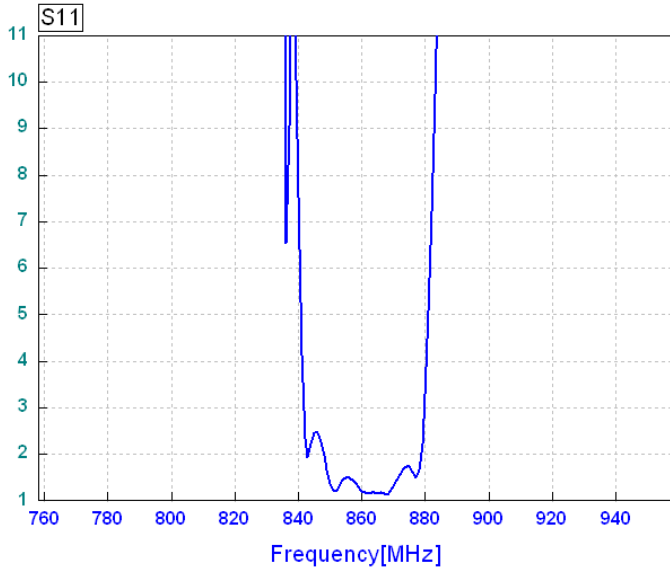


Frequency Performance





VSWR



Smith Chart

