



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
862-RF455.0M-B	CDMA 450 A-Band, RF/Tx SAW Filter

### Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- o Frequency Performance
- o VSWR
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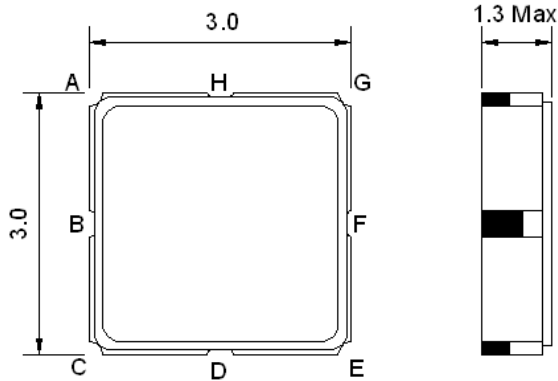
### Notes

- 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)

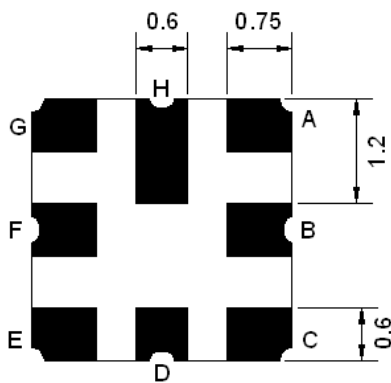




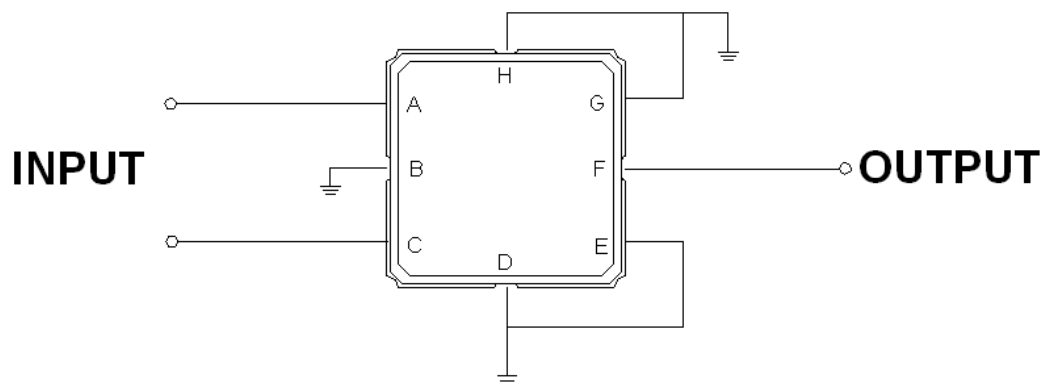
**Mechanical Dimensions (mm)**



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



**Test Circuit**



Source Impedance: 100  $\Omega$

Load Impedance: 50  $\Omega$



### Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	0
Source Impedance (balanced ended) <sup>(1)</sup>	Ω	-	100	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

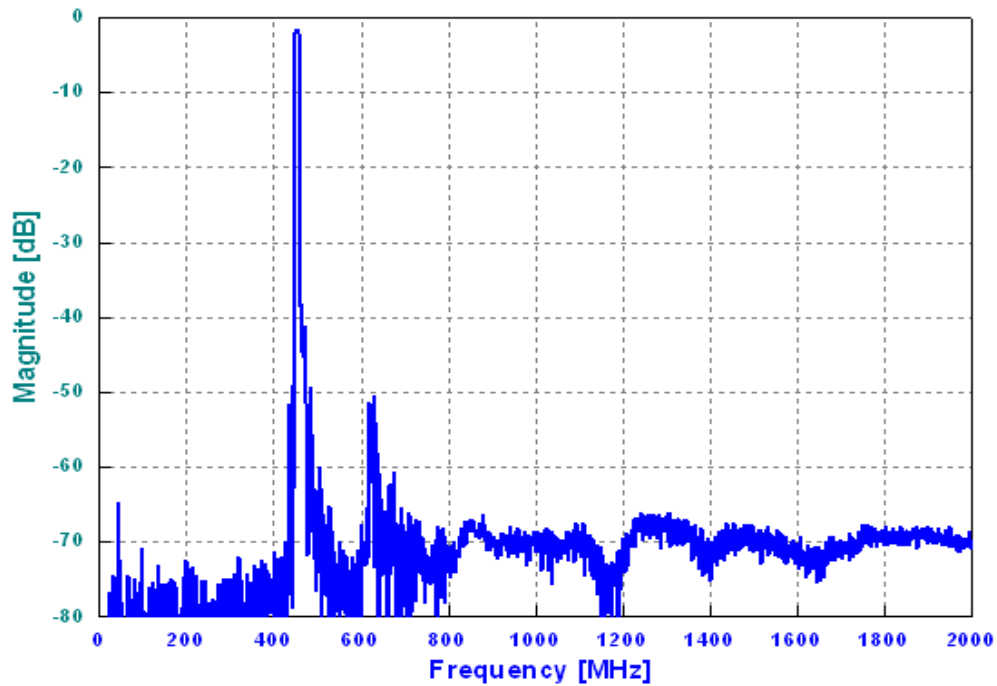
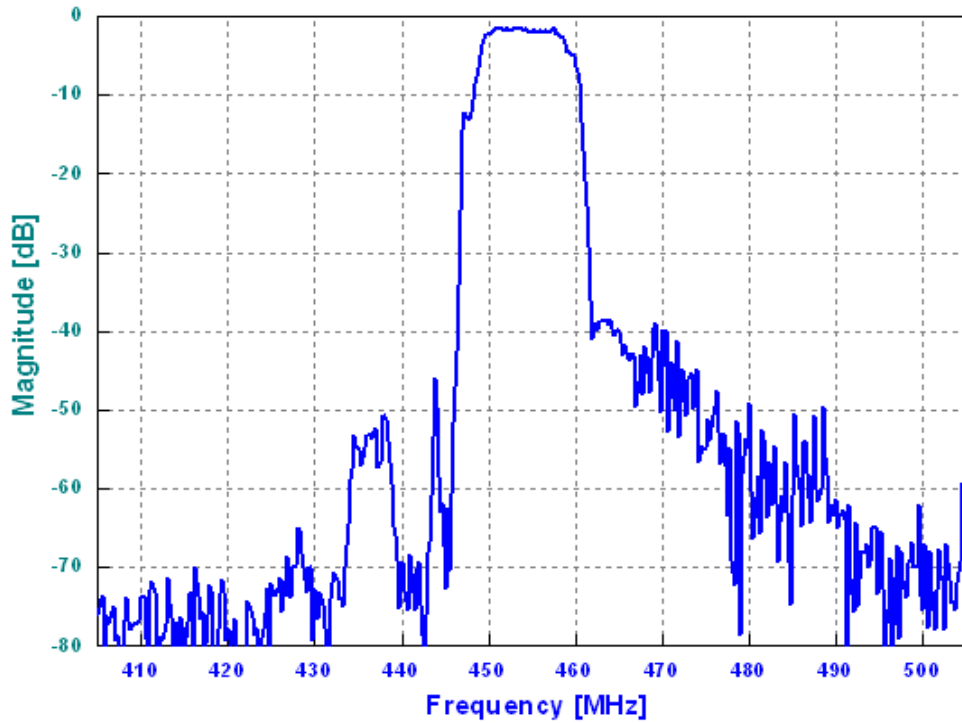
Notes: No Matching Network

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	455.0	-
Insertion Loss in 452.5 ~457.5 MHz	dB	-	2.0	2.8
Stop Band Attenuation:				
0.3 ~ 350.0 MHz	dB	45	55	-
350.0 ~ 445.0 MHz	dB	40	50	-
462.5 ~ 467.5 MHz	dB	30	38	-
467.5 ~ 2000.0 MHz	dB	35	50	-
VSWR in 452.5 ~ 457.5 MHz	-	-	2.0	2.5

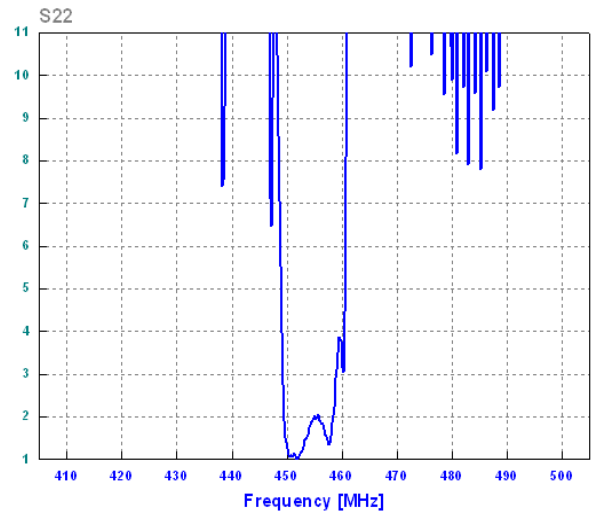
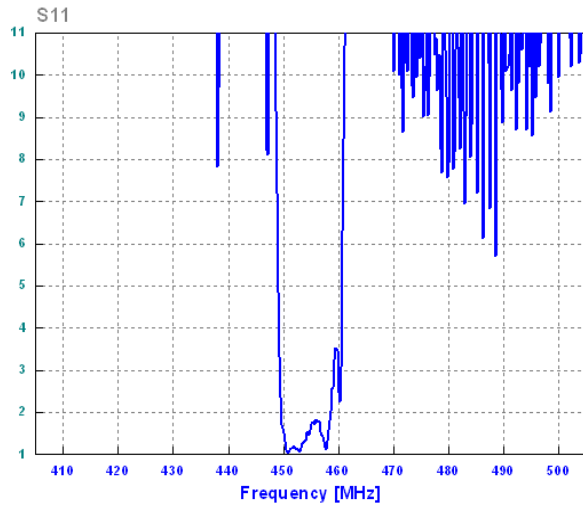


## Frequency Performance





### VSWR



### Smith Chart

