



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
862-RF463.5M-B	CDMA 450 H-Band, Balanced RF-Rx SAW Filter

Specification Contents

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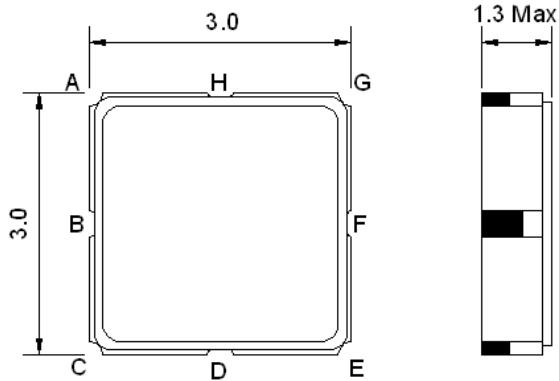
Notes

- 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)

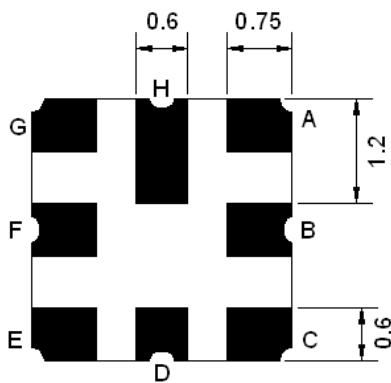




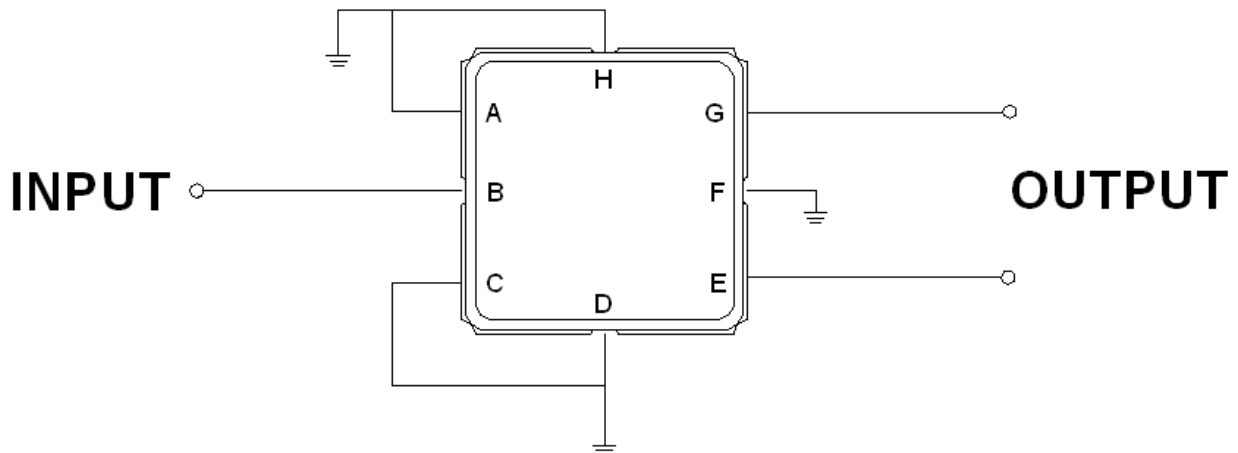
Mechanical Dimensions (mm)



Pin Description	
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	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced ended) ⁽¹⁾	Ω	-	100	-

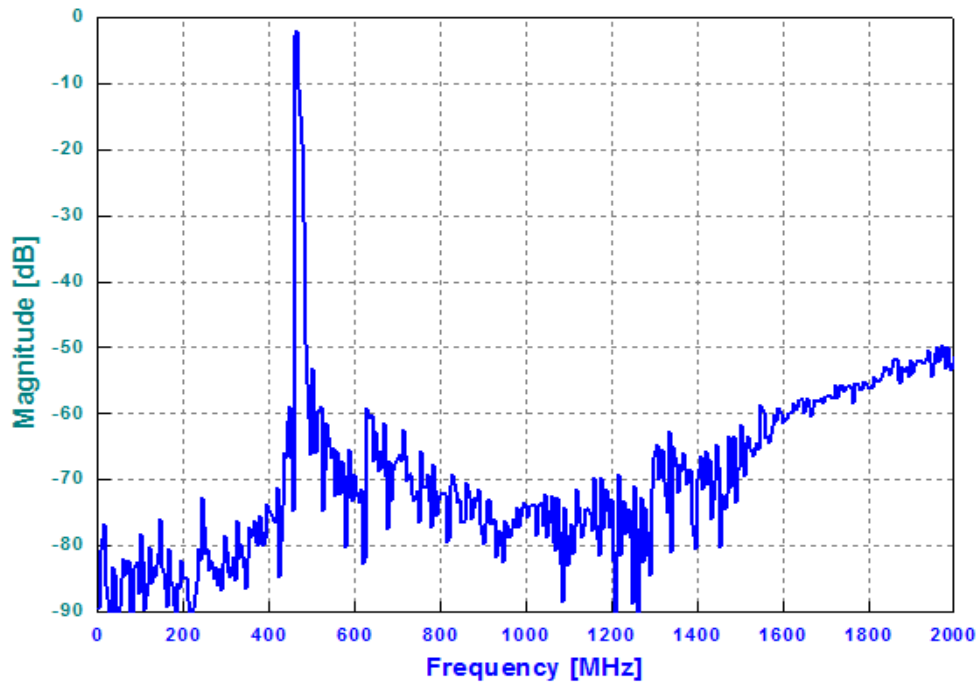
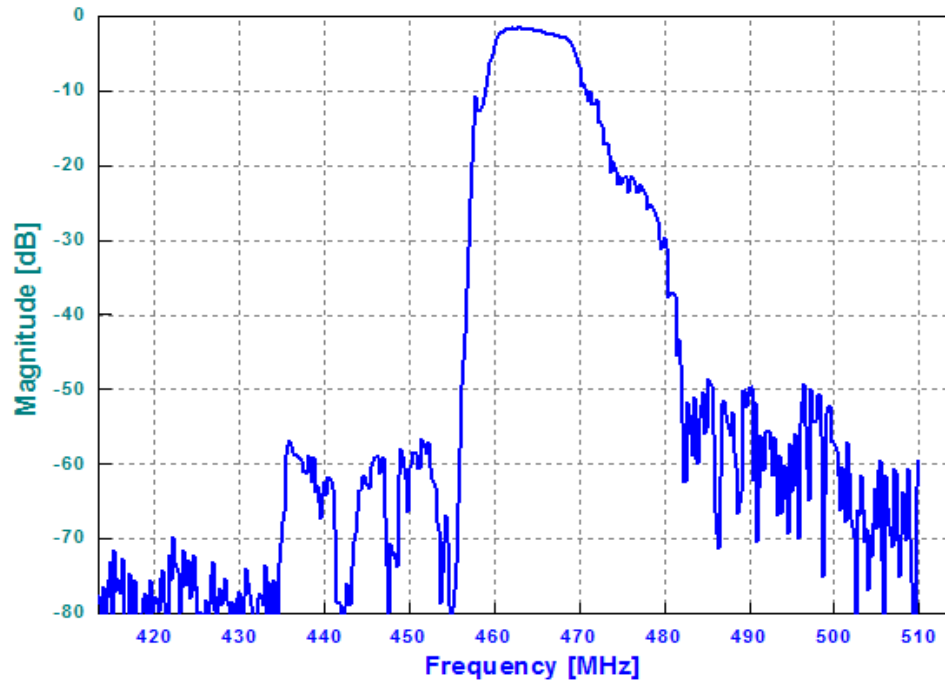
Notes: No Matching Network

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	463.5	-
Insertion Loss in 461.3 ~465.8 MHz	dB	-	2.2	4.0
Stop Band Attenuation:				
0.3 ~ 451.3 MHz	dB	40	55	-
451.3 ~ 455.8 MHz	dB	35	50	-
485.0 ~ 507.5 MHz	dB	40	50	-
507.5 ~ 1200.0 MHz	dB	40	55	-
1200.0 ~ 2000.0 MHz	dB	35	50	-
VSWR in 461.3 ~ 465.8 MHz	-	-	2.1	2.5

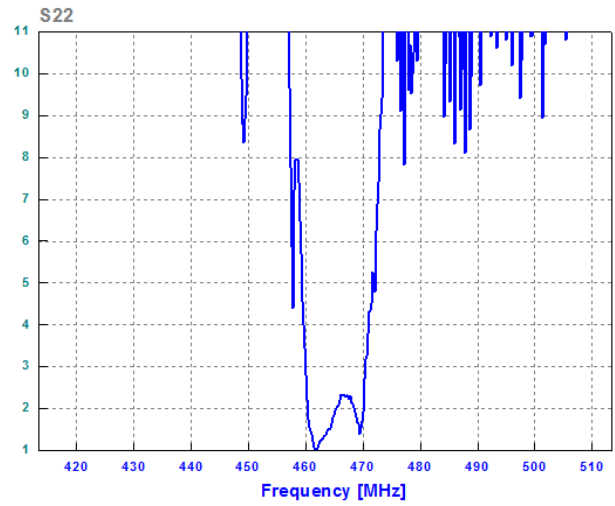
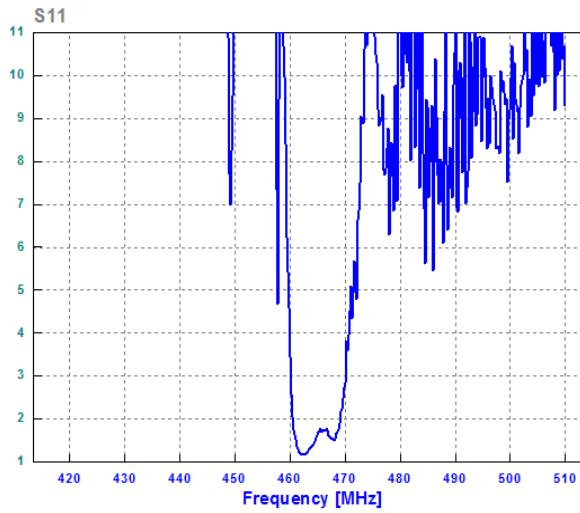


Frequency Performance





VSWR



Smith Chart

