



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
862-RF463.75M-D	CDMA 450 A+C-Band, RF/Rx SAW Filter

## Specification Contents

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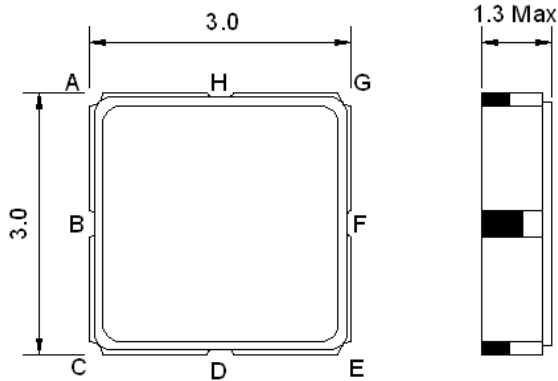
## Notes

- 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)

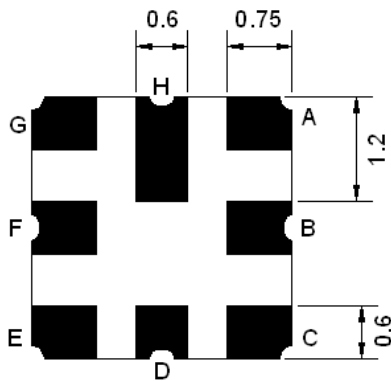




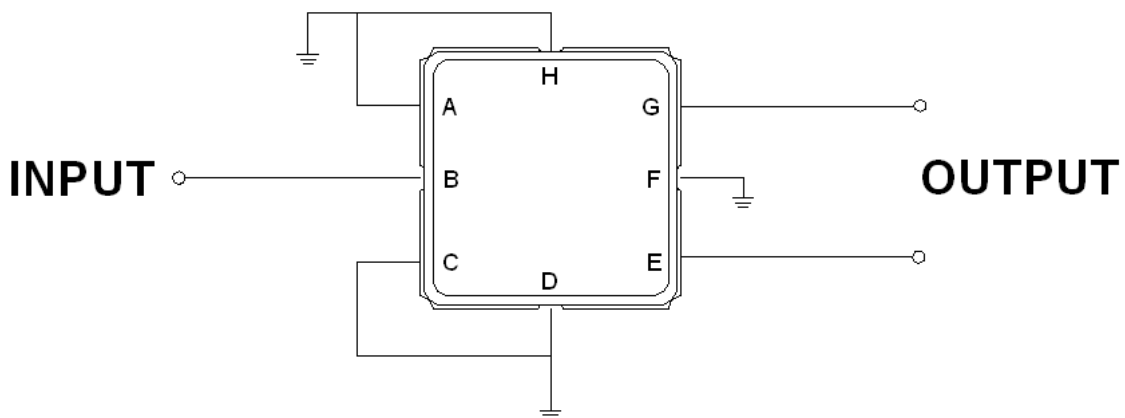
## Mechanical Dimensions (mm)



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



## Test Circuit



Source Impedance : 50  $\Omega$

Load Impedance : 100  $\Omega$

**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) <sup>(1)</sup>	$\Omega$	-	50	-
Load Impedance (balanced ended) <sup>(1)</sup>	$\Omega$	-	100	-

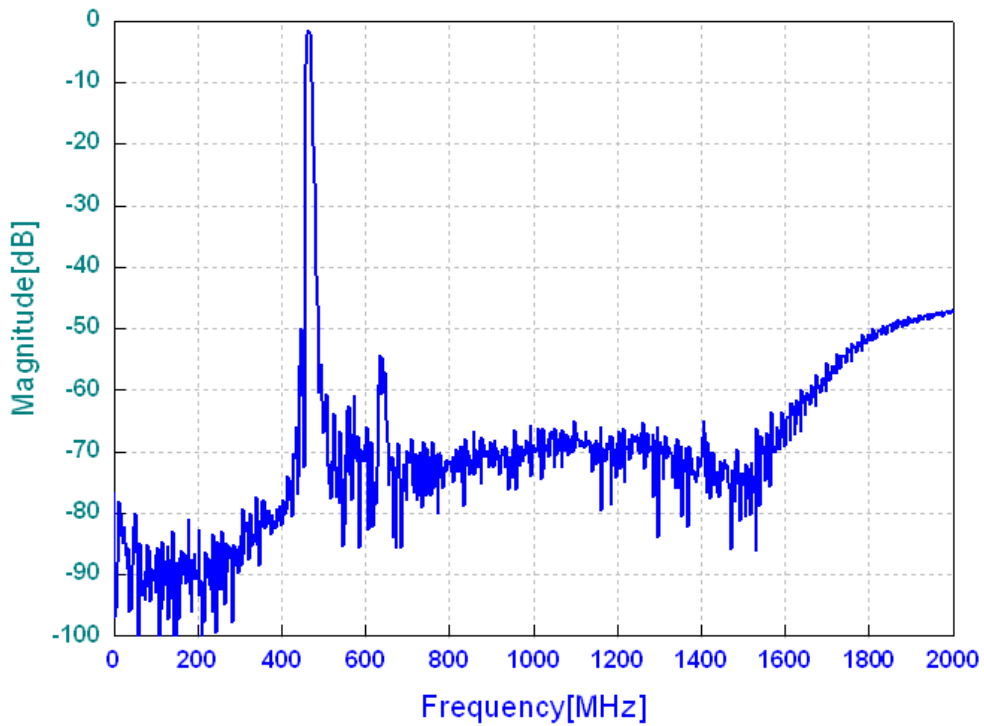
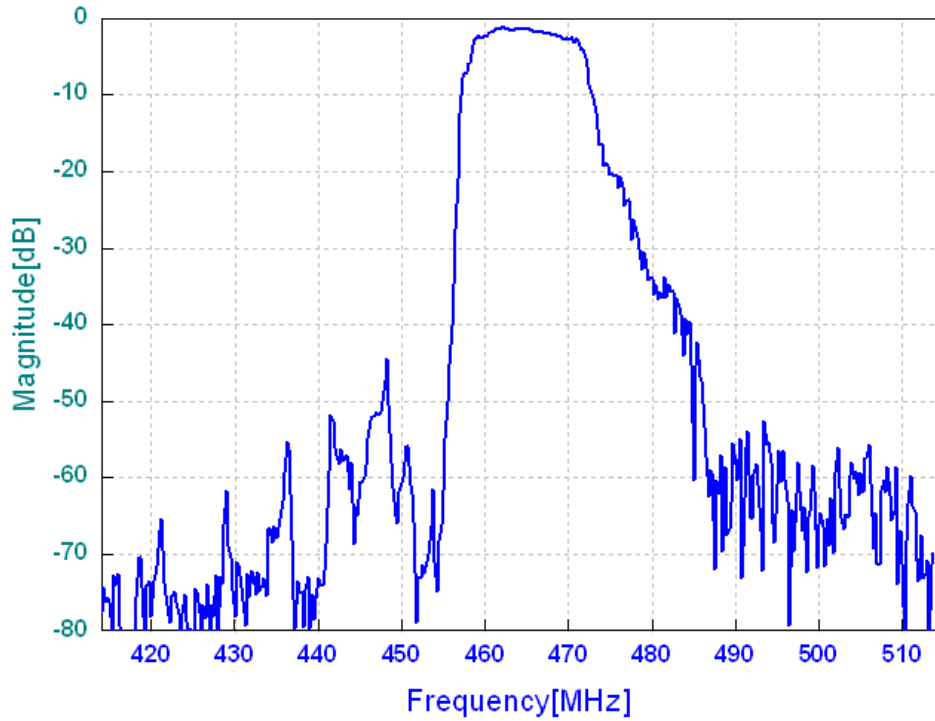
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	463.75	-
Insertion Loss in 460.0 ~467.5 MHz	dB	-	2.4	3.5
Stop Band Attenuation:				
D.C ~ 450.0 MHz	dB	40	45	-
450.0 ~ 453.0 MHz	dB	35	50	-
453.0 ~ 457.5 MHz	dB	2	7	-
485.5 ~ 510.0 MHz	dB	35	42	-
510.0 ~ 1000.0 MHz	dB	35	50	-
1000.0 ~ 2000.0 MHz	dB	35	45	-
VSWR in 460.0 ~ 467.5 MHz	-	-	2.4	2.8

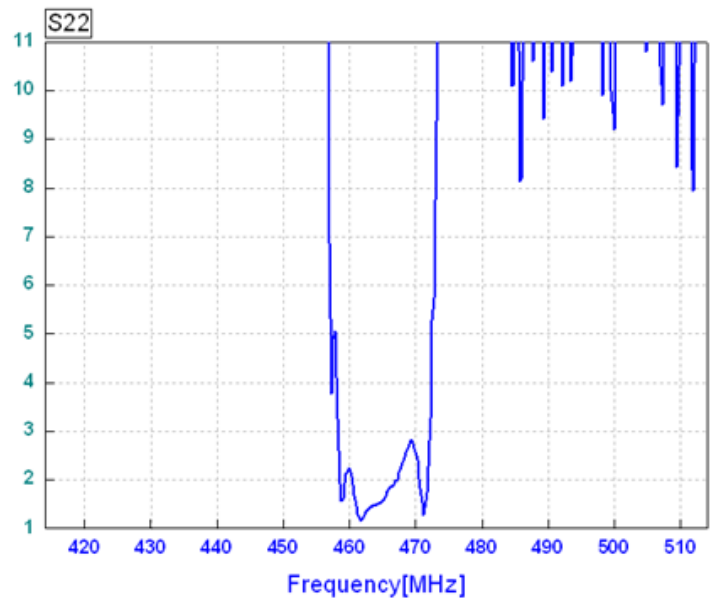
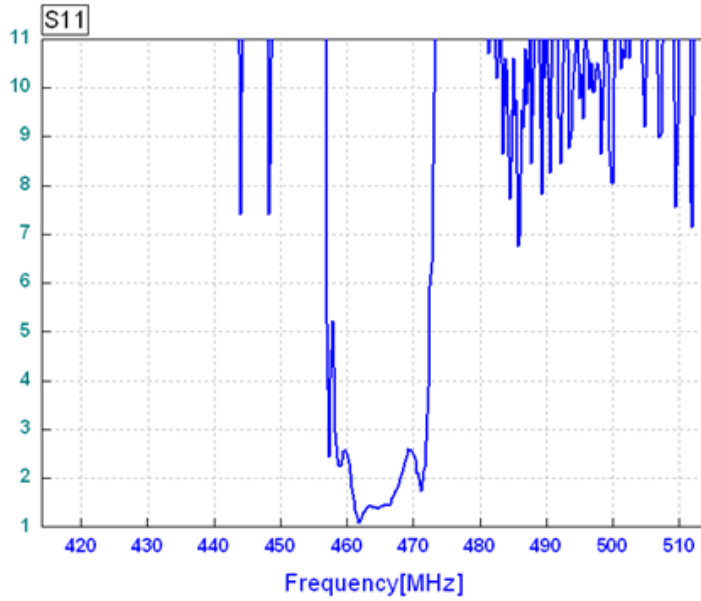


### Frequency Performance





## VSWR



## Smith Chart

