



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
872-RF463.5M-C	CDMA450 H-Band, RF-Rx 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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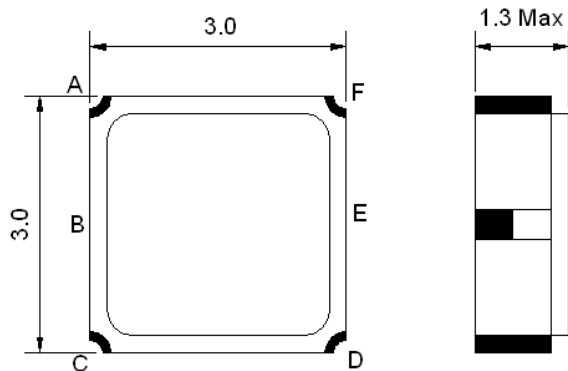
### Notes

- 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)

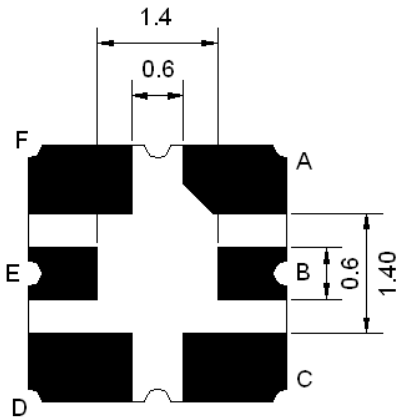




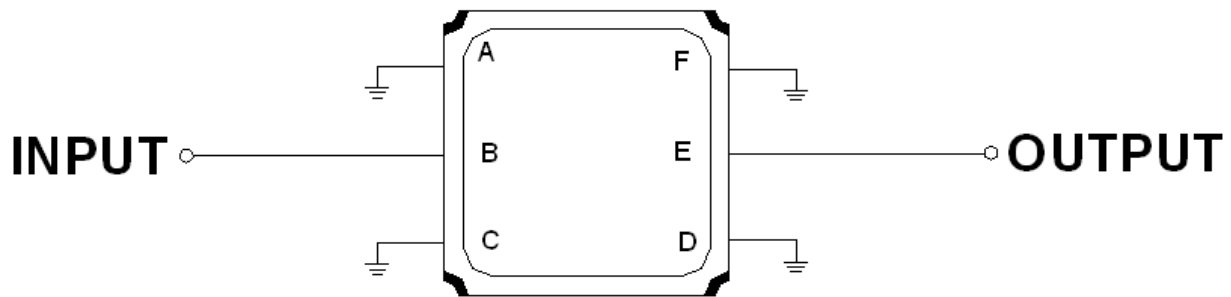
**Mechanical Dimensions (mm)**



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



**Test Circuit**



Source and Load Impedance: 50  $\Omega$

**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+80
Storage Temperature Range	°C	-	-	-
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	28
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

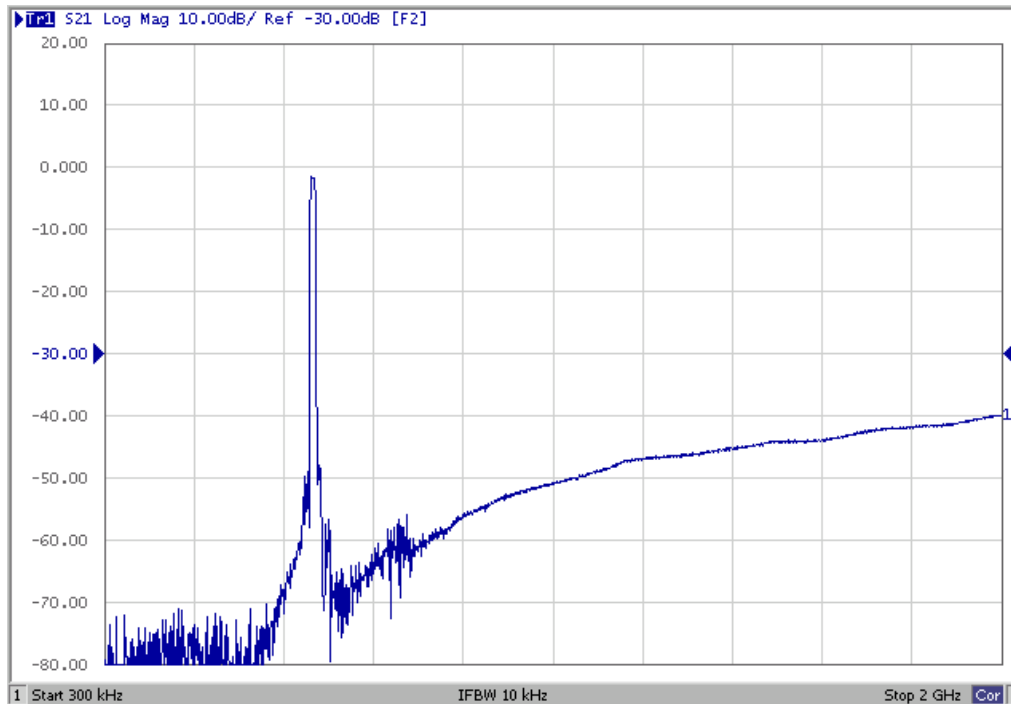
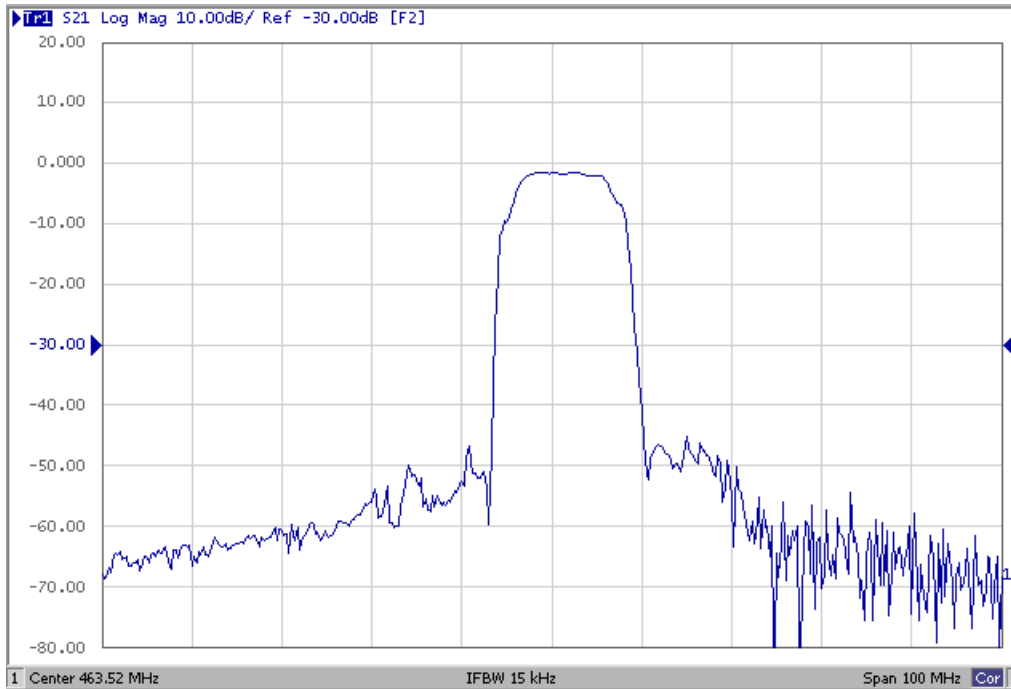
Notes: No Matching Network

**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	463.52	-
Insertion Loss within 461.31 ~465.73 MHz	dB	-	2.3	3.8
Attenuation:				
0 ~ 450.0 MHz	dB	44	48	-
455.0 ~ 456.0 MHz	dB	40	50	-
474.0 ~ 475.5 MHz	dB	25	40	-
475.5 ~ 490.0 MHz	dB	35	45	-
490.0 ~ 900.0 MHz	dB	40	50	-
900.0 ~ 2100.0 MHz	dB	25	35	-
VSWR within 461.31 ~ 465.73 MHz	-	-	1.7	2.1



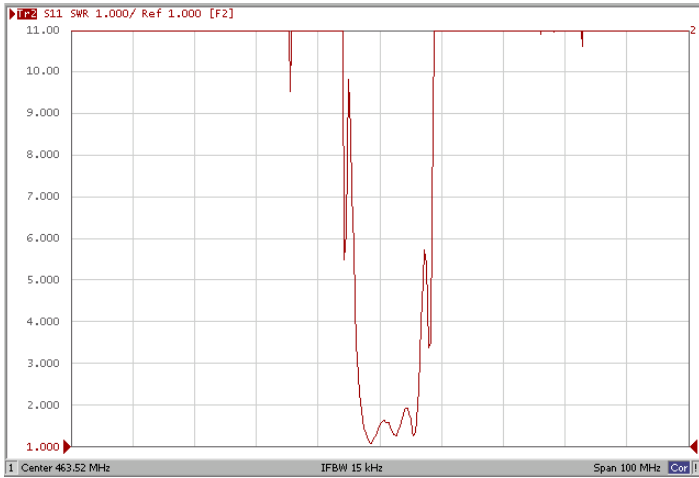
## Frequency Performance



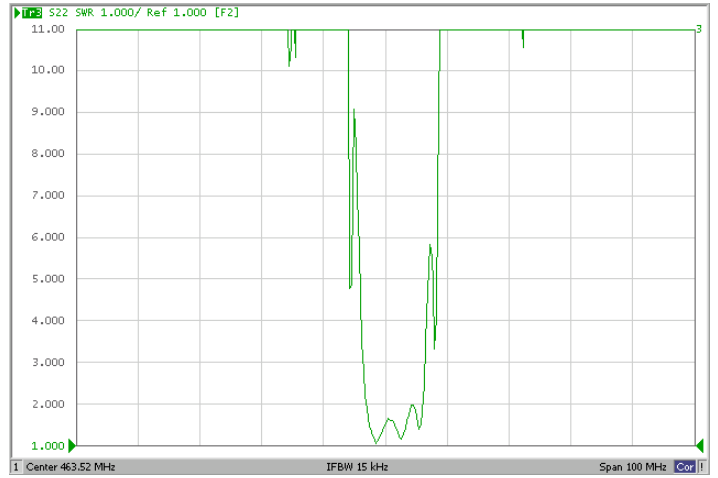


### VSWR

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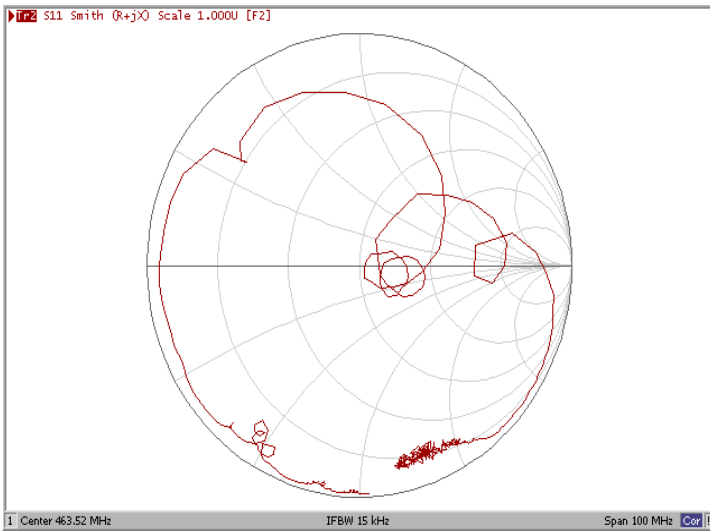


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### Smith Chart

S11



S12

