



# PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF462.5 M-C	CDMA 450 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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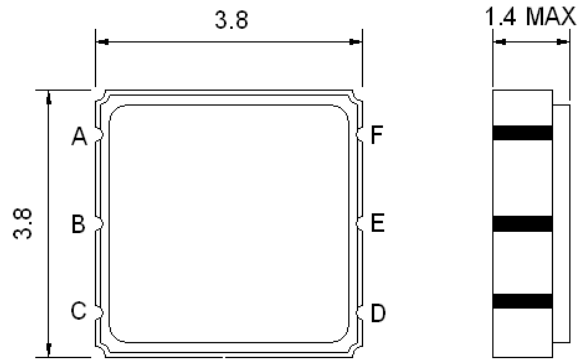
## Notes

- 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)

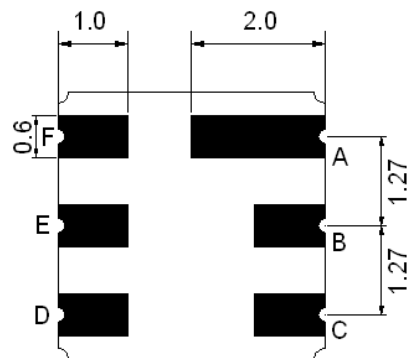




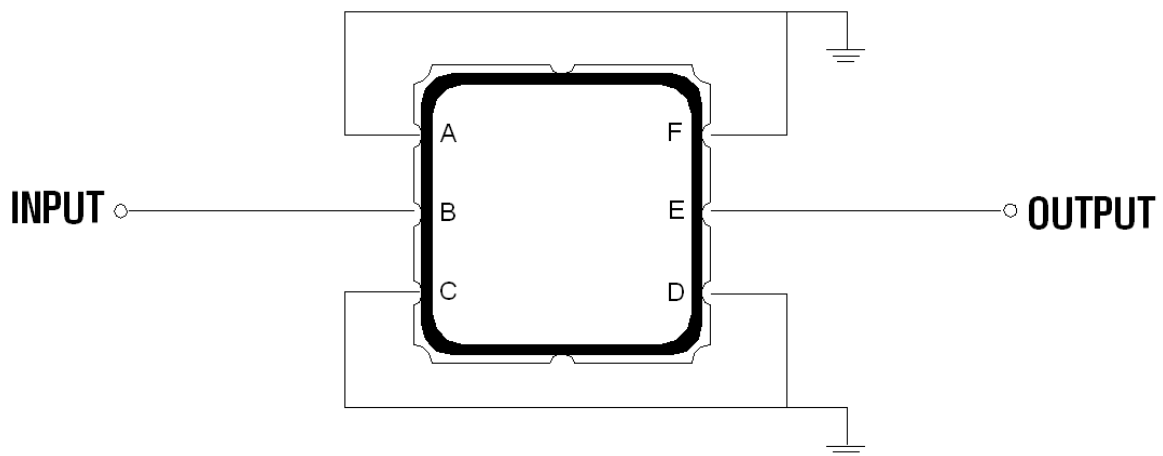
**Mechanical Dimensions (mm)**



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



**Test Circuit**



Source and Load Impedance: 50 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) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

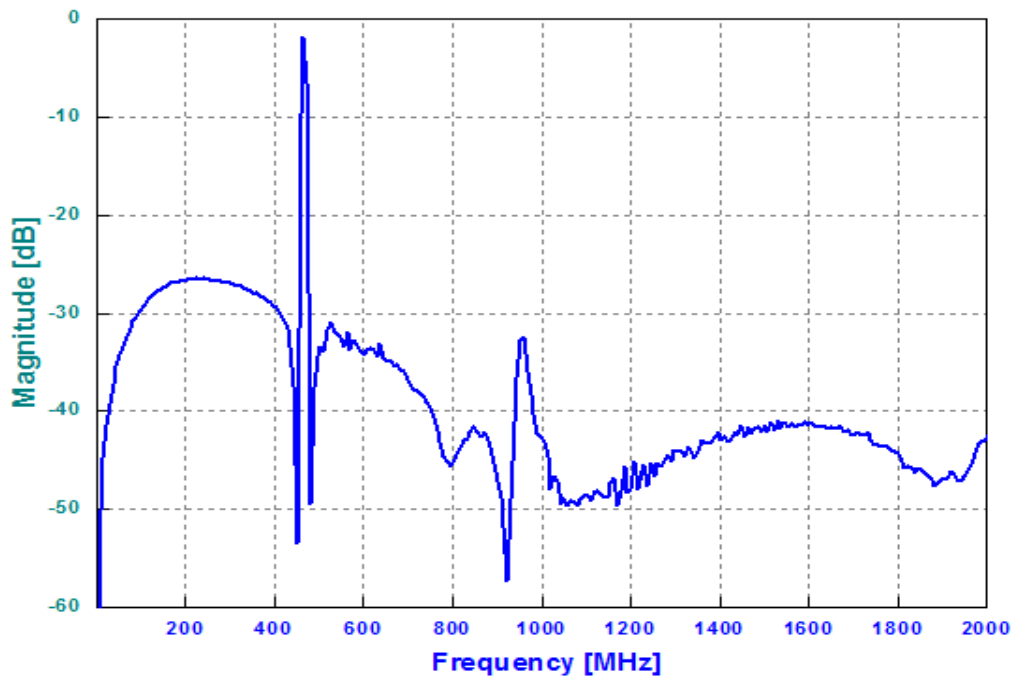
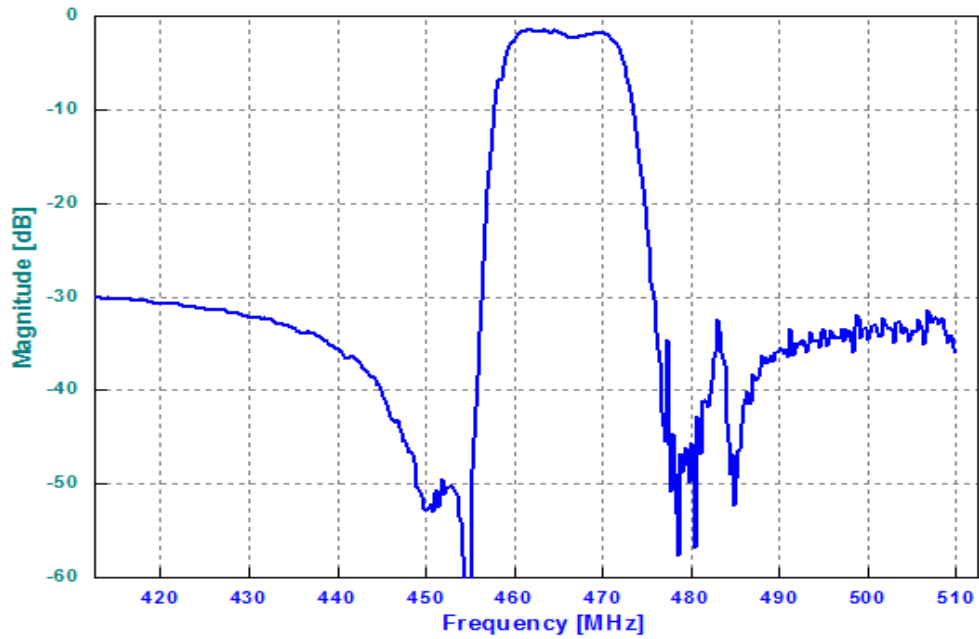
Notes: No Matching Network

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	462.5	-
Insertion Loss in 460.0 ~ 464.8 MHz	dB	-	2.8	3.5
Attenuation:				
0.3 ~ 450.0 MHz	dB	25	27	-
450.0 ~ 454.8 MHz	dB	33	48	-
480.0 ~ 505.0 MHz	dB	30	33	-
505.0 ~ 1200.0 MHz	dB	20	31	-
1200.0 ~ 1500.0 MHz	dB	30	36	-
1500.0 ~ 2000.0 MHz	dB	20	30	-
VSWR in 460.0 ~ 464.8 MHz	-	-	1.9	2.4

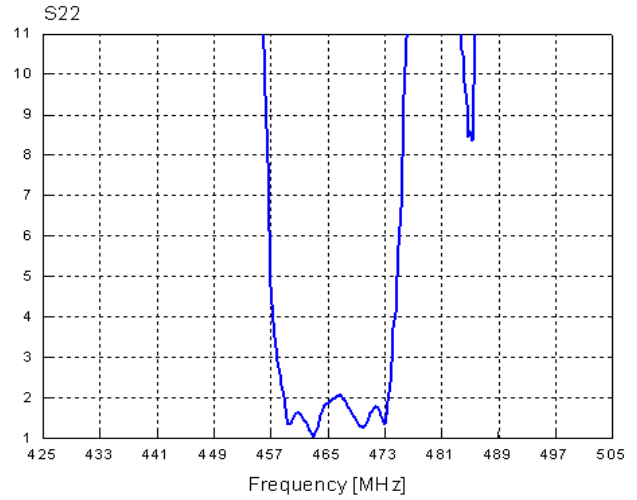
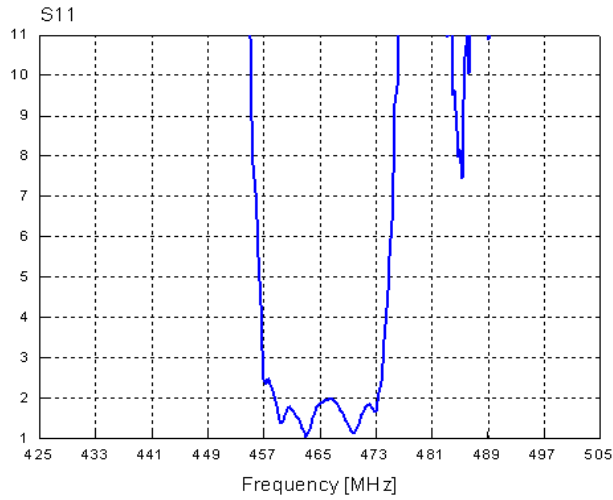


## Frequency Performance





### VSWR



### Smith Chart

