



# PRODUCT SPECIFICATION

REV A January 2010


Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF465.0M-J	CDMA 450 A-Band, RF/Rx SAW Filter

## Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- o Frequency Performance
- o VSWR
- o Smith Chart

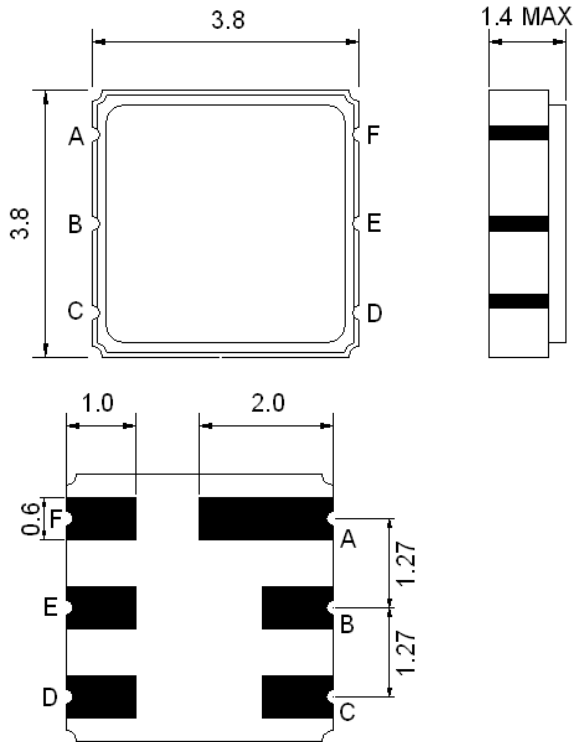
## Notes

- 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)



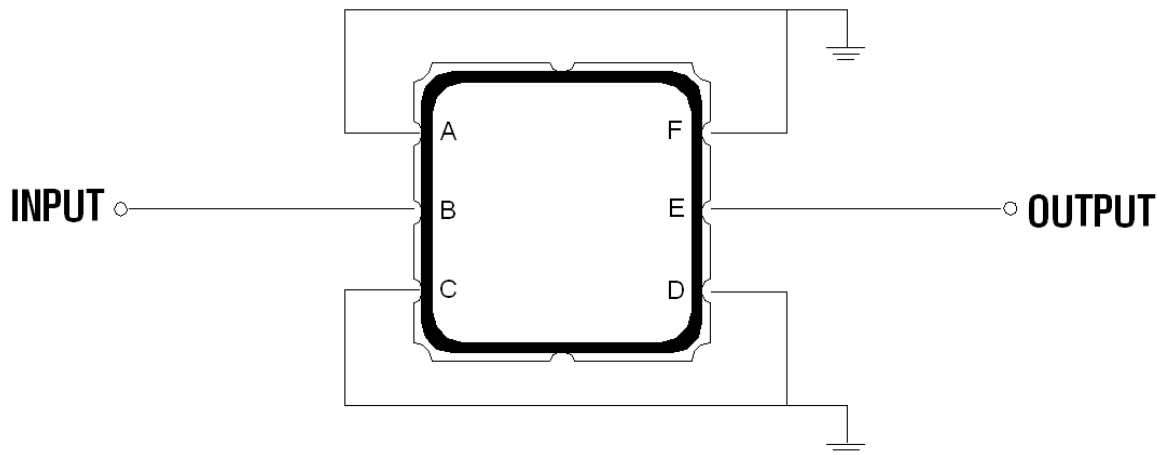


## Mechanical Dimensions (mm)



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	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	28
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

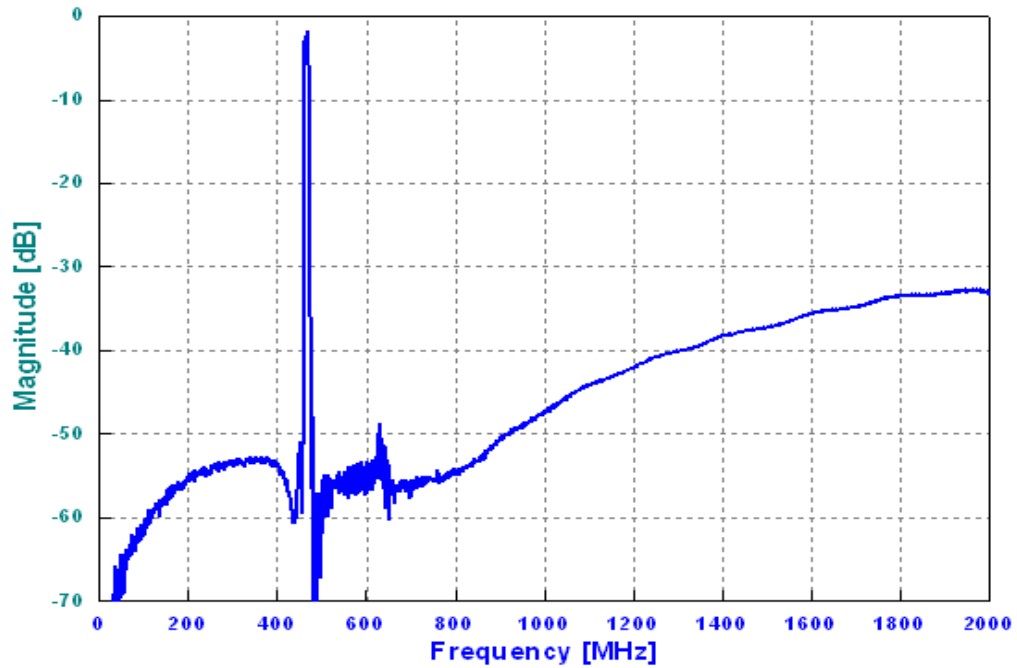
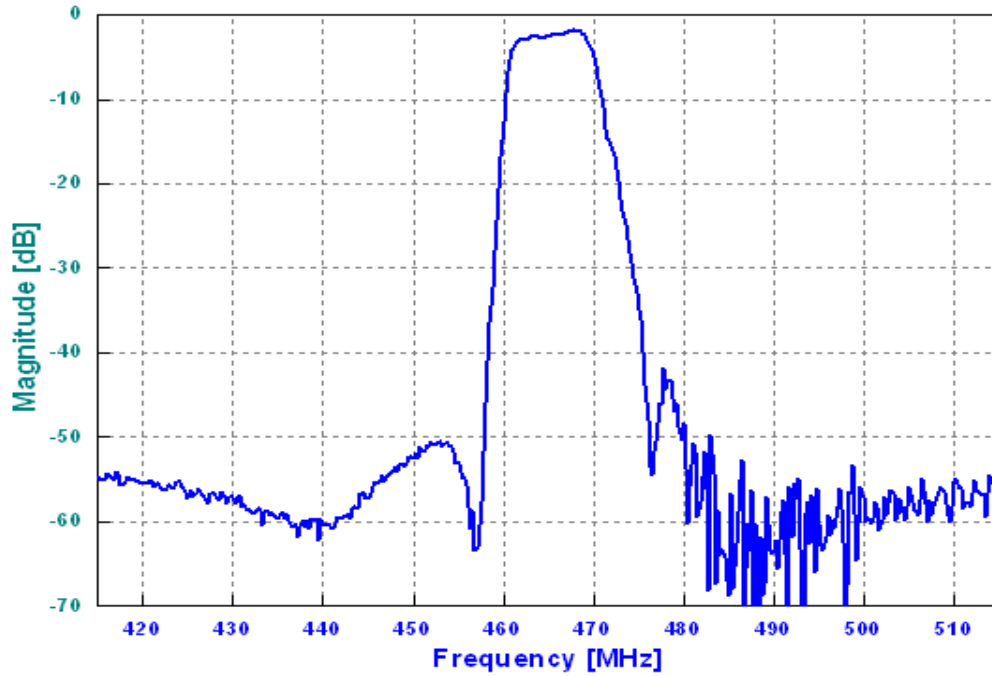
Notes: No Matching Network

**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	465.0	-
Insertion Loss within 462.5 ~ 467.5 MHz	dB	-	2.8	3.5
Absolute Attenuation:				
0.3 ~ 452.5 MHz	dB	48	52	-
452.5 ~ 457.5 MHz	dB	35	50	-
452.5 ~ 457.5 MHz within +15°C~+40°C	dB	40	53	-
485.0 ~ 507.5 MHz	dB	40	53	-
507.5 ~ 1200.0 MHz	dB	38	42	-
1200.0 ~ 1700.0 MHz	dB	30	35	-
1700.0 ~ 2000.0 MHz	dB	20	30	-
VSWR within 462.5 ~ 467.5 MHz	-	-	1.6	2.1

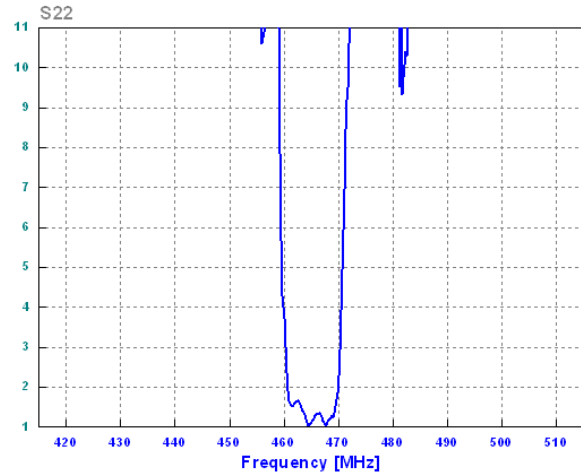
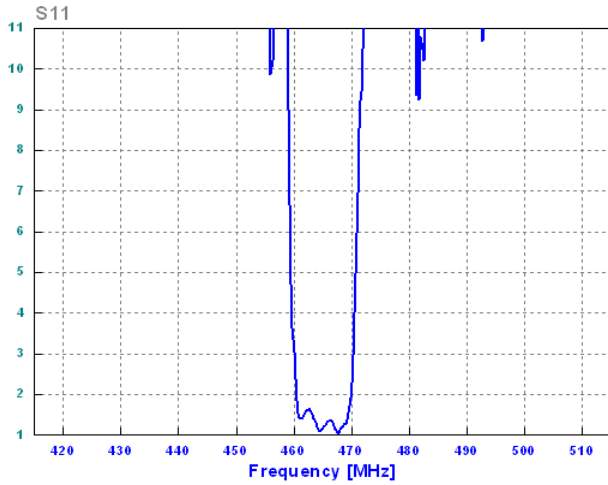


## Frequency Performance





## VSWR



## Smith Chart

