



REV A January 2010

Oscilent Controlled Document

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

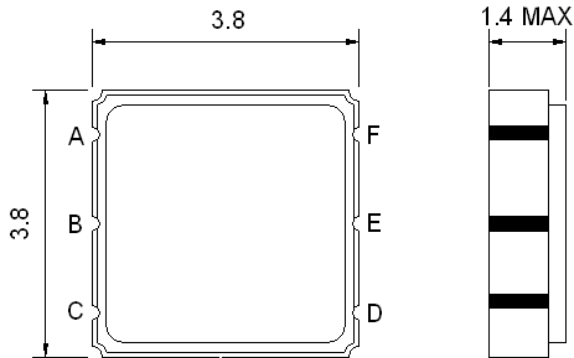
Notes

- 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)

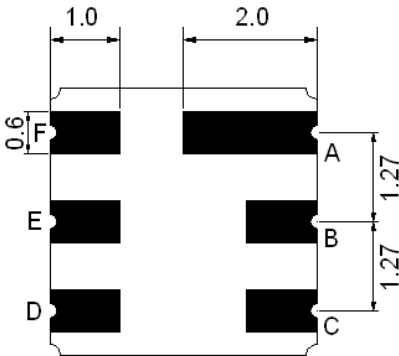




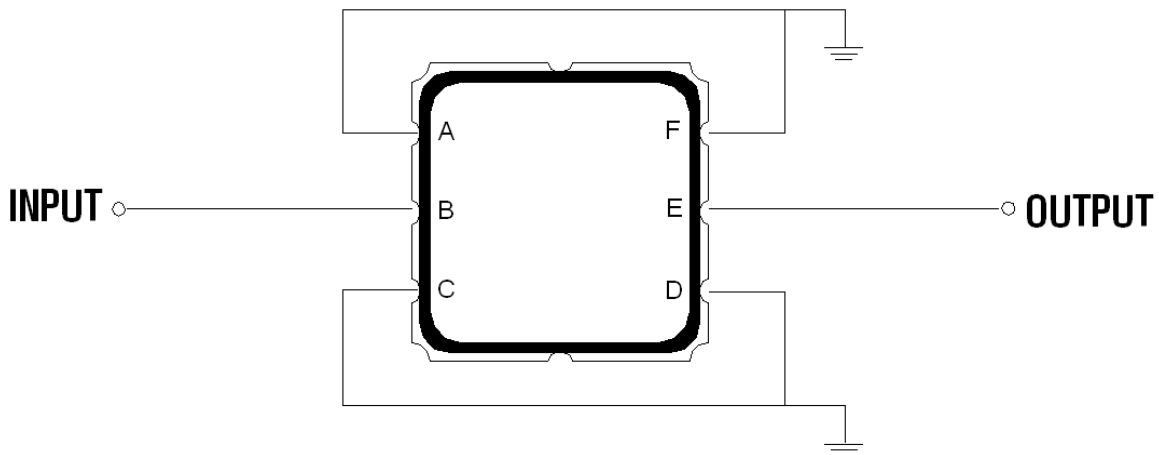
Mechanical Dimensions (mm)



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



Test Circuit



Source and Load Impedance: 50 Ω



Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	°C	-30	-
Storage Temperature Range	°C	°C	-40	-
Maximum DC Voltage	V	V	-	-
Maximum Input Power	dBm	dBm	-	-
Source Impedance (single ended) ⁽¹⁾	Ω	Ω	-	50
Load Impedance (single ended) ⁽¹⁾	Ω	Ω	-	50

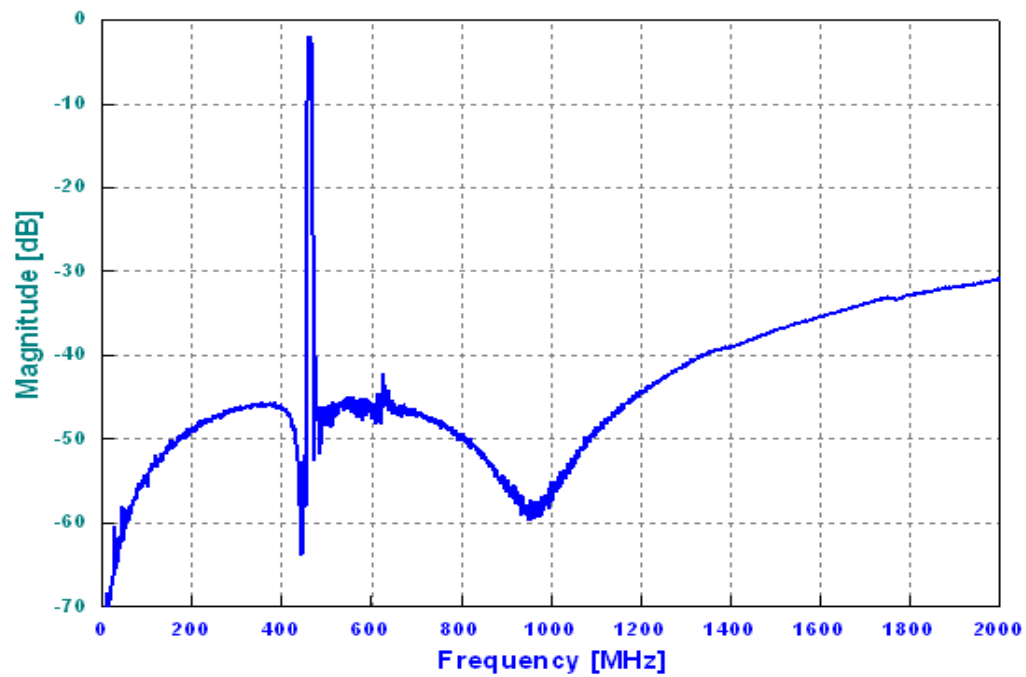
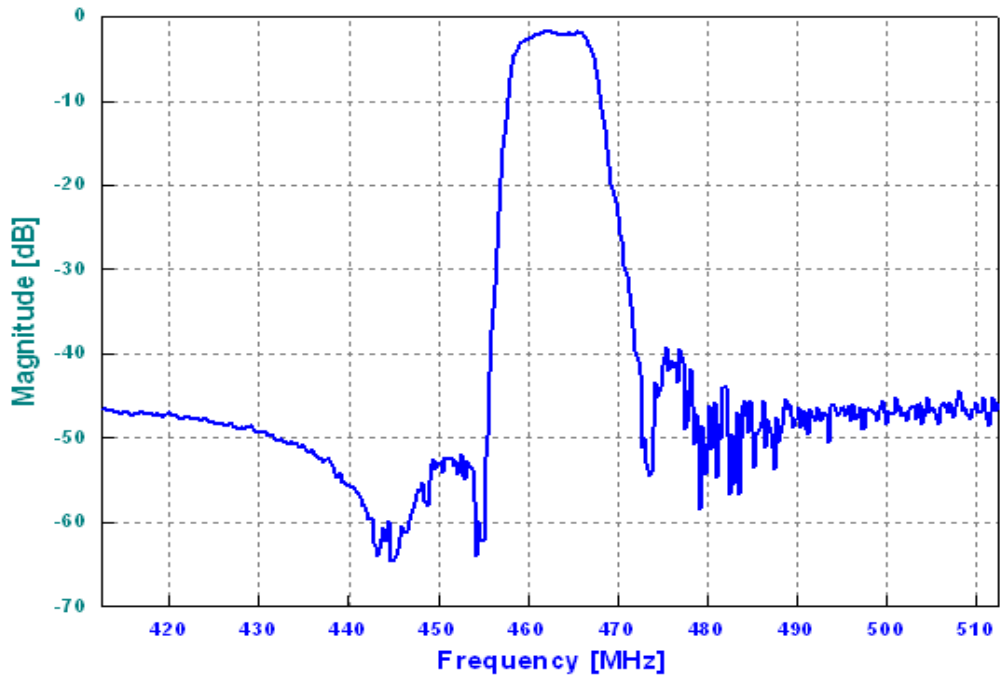
Notes: No Matching Network

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	462.5	-
Insertion Loss within 460.0 ~ 465.0 MHz	dB	-	2.5	3.8
Absolute Attenuation:				
D.C. ~ 450.0 MHz	dB	40	45	-
450.0 ~ 455.0 MHz	dB	35	50	-
482.5 ~ 1200.0 MHz	dB	35	43	-
1200.0 ~ 1700.0 MHz	dB	30	35	-
1700.0 ~ 2000.0 MHz	dB	20	30	-
VSWR within 460.0 ~ 465.0 MHz	-	-	1.8	2.3

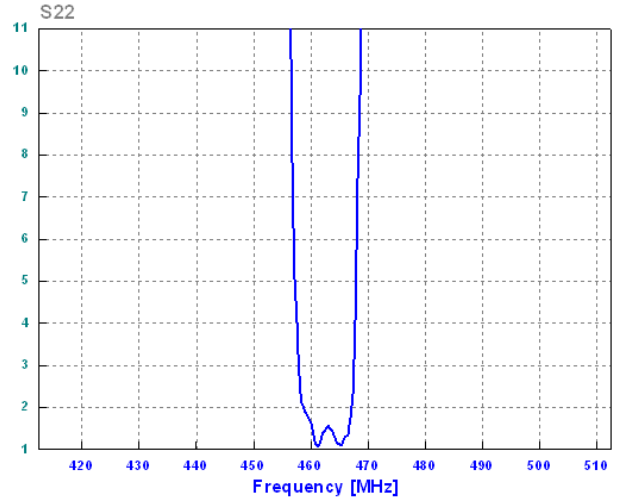
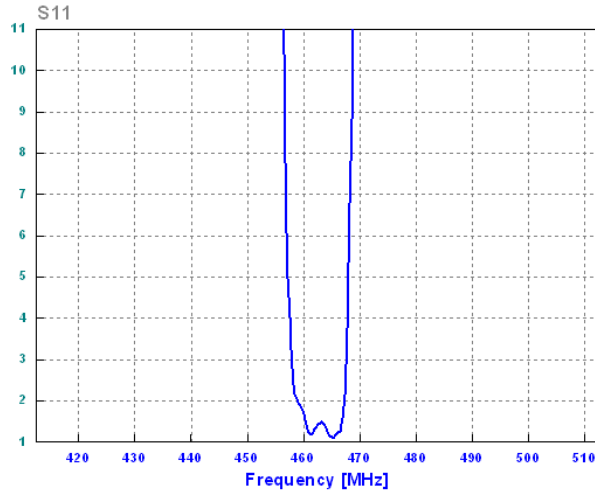


Frequency Performance





VSWR



Smith Chart

