PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

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

Specification Contents

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

Notes

- Electrostatic Sensitive Device (ESD)
- Avoid excessive ultrasonic exposure
- Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- This product complies with EU directive 2002/95/EC (RoHS compliance)

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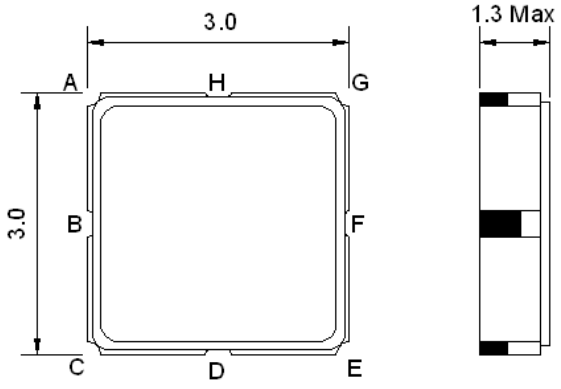
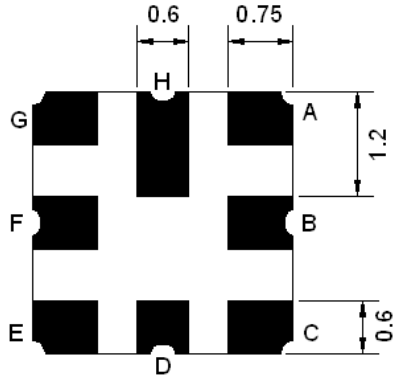
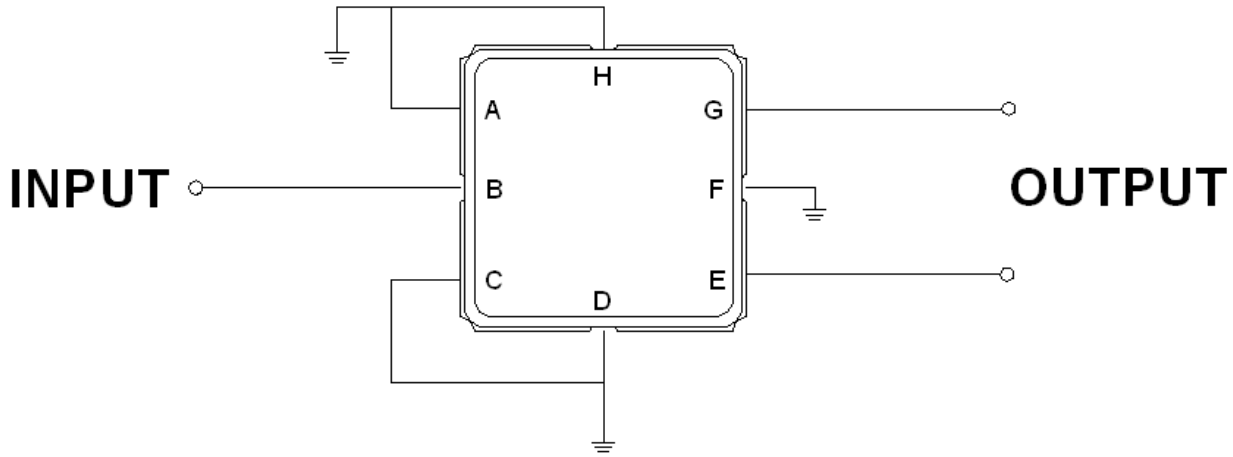
Mechanical Dimensions (mm)



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



Test Circuit



Source Impedance : 50 Ω

Load Impedance : 100

Maximum Ratings

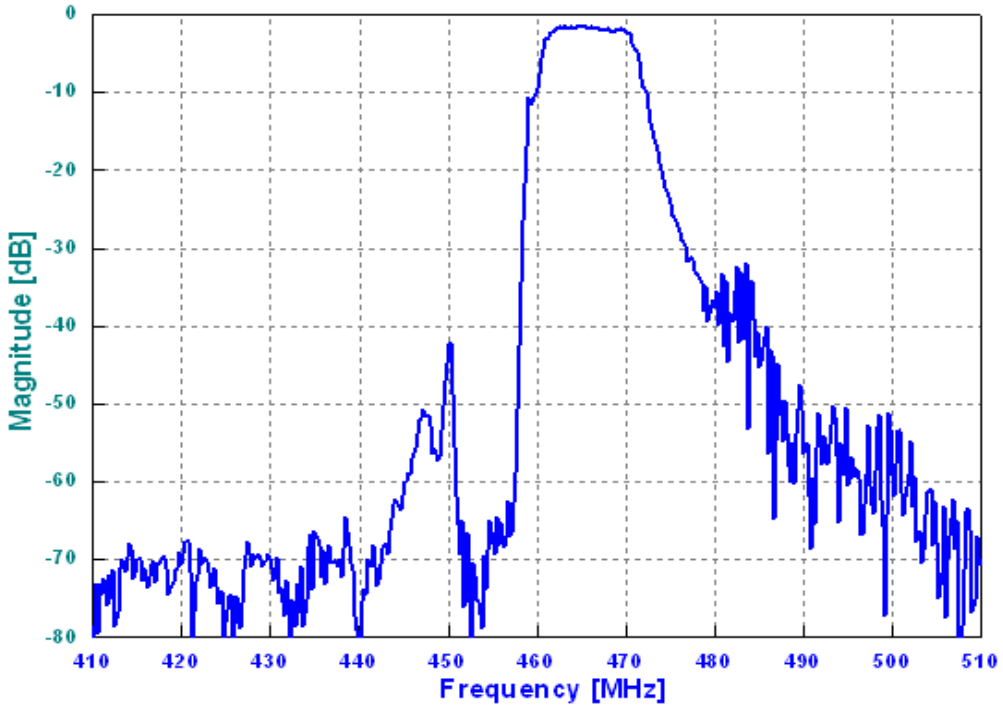
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (balanced ended)(1)	Ω	-	100	-

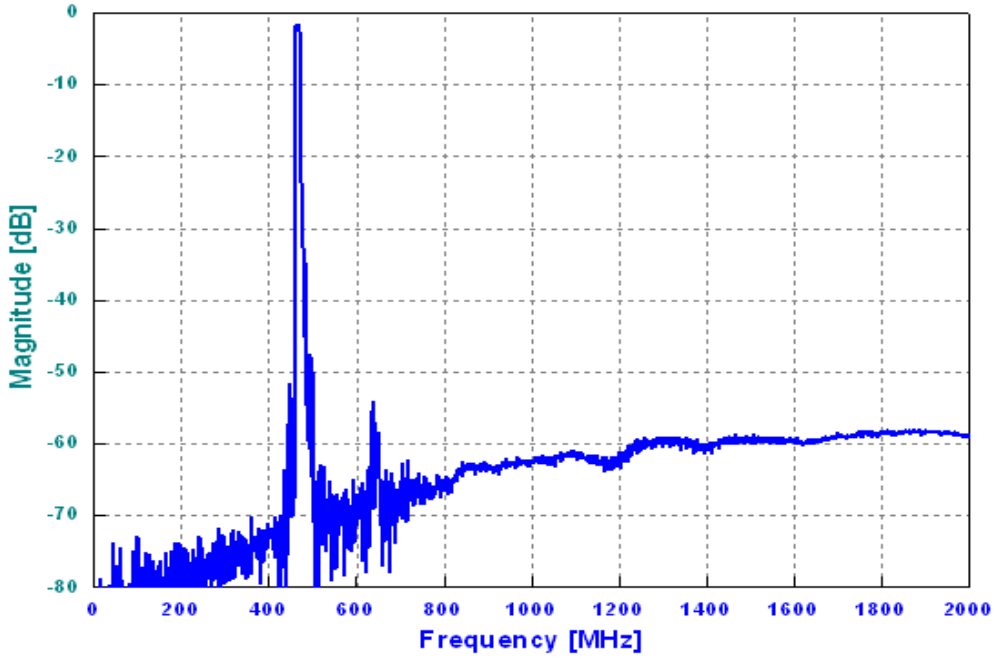
Notes: No Matching Network

Electrical Specification

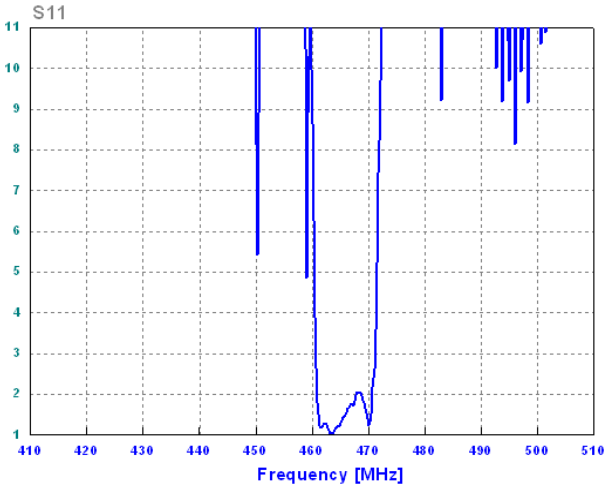
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	465.0	-
Insertion Loss in 462.5 ~467.5 MHz	dB	-	2.2	4.0
VSWR in 462.5 ~ 467.5 MHz	-	-	2.0	2.5
Stop Band Attenuation:				
452.5 ~ 457.5 MHz	dB	35	50	-
480.0 ~ 485.0 MHz	dB	30	35	-
485.0 ~ 507.5 MHz	dB	30	40	-
507.5 ~ 1000.0 MHz	dB	40	55	-
1000.0 ~ 1200.0 MHz	dB	45	55	-
1200.0 ~ 1700.0 MHz	dB	40	50	-
1700.0 ~ 2000.0 MHz	dB	35	50	-

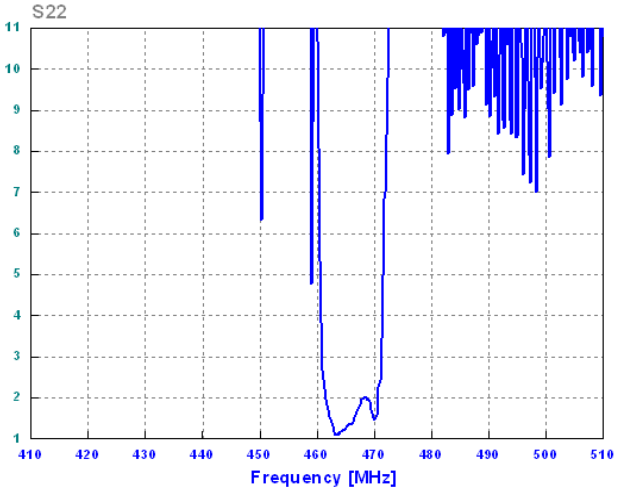
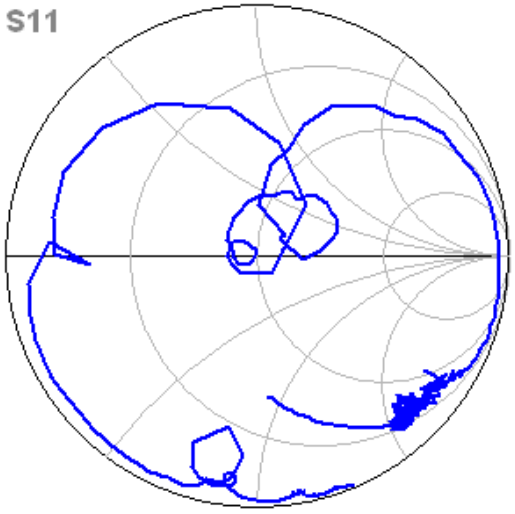
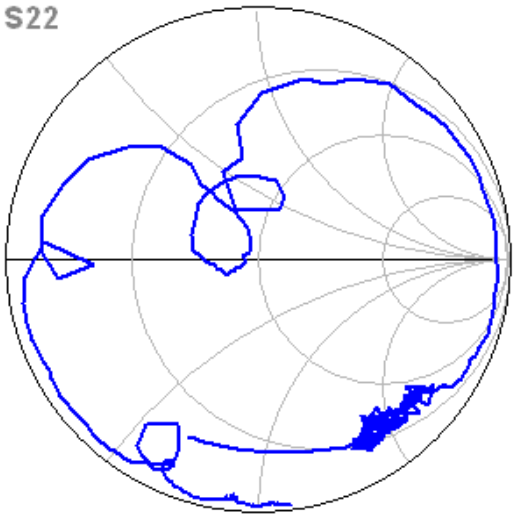
Frequency Performance





VSWR





Smith Chart