PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
803-RF422.5M-F	CDMA 450 L-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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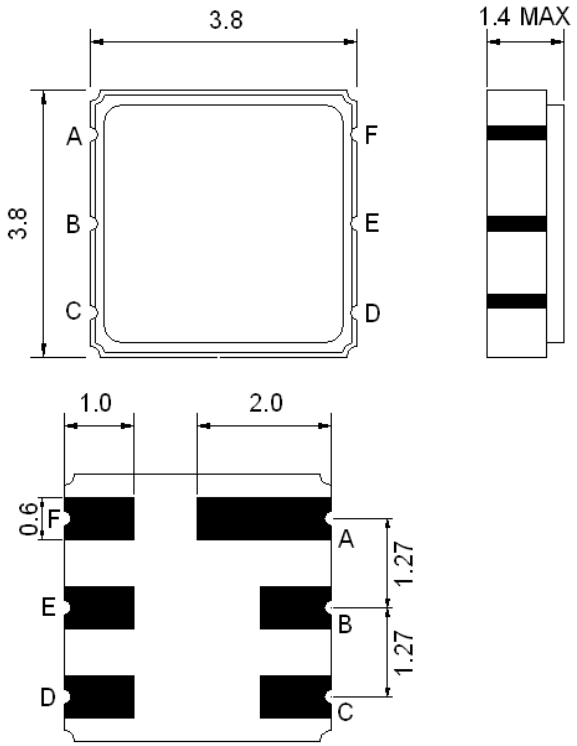
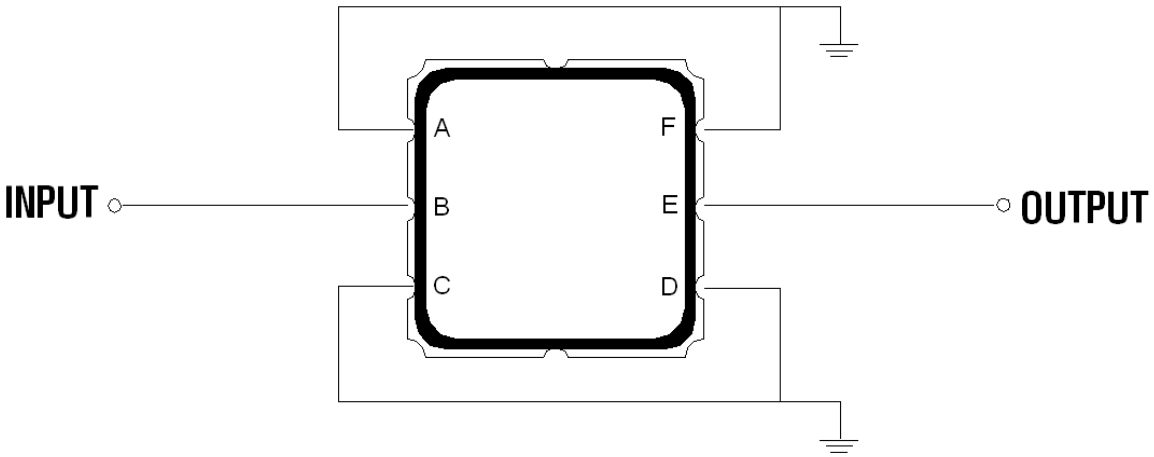
Mechanical Dimensions (mm)



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

Test Circuit



Source and Load Impedance: 50 Ω

Maximum Ratings

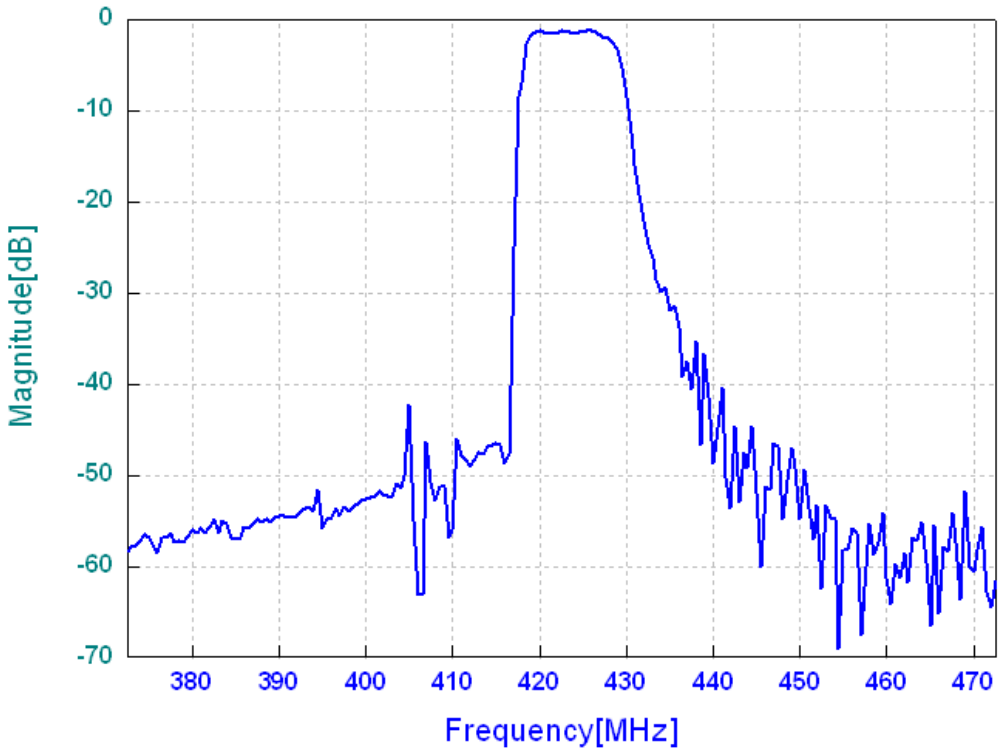
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-

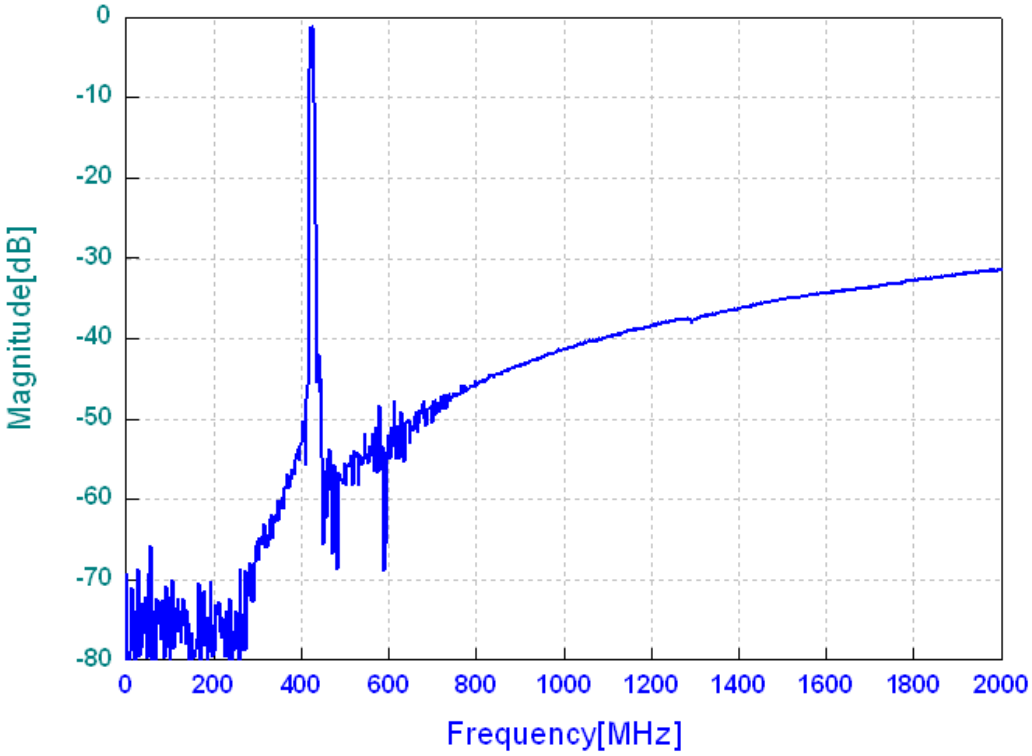
Notes: No Matching Network

Electrical Specification

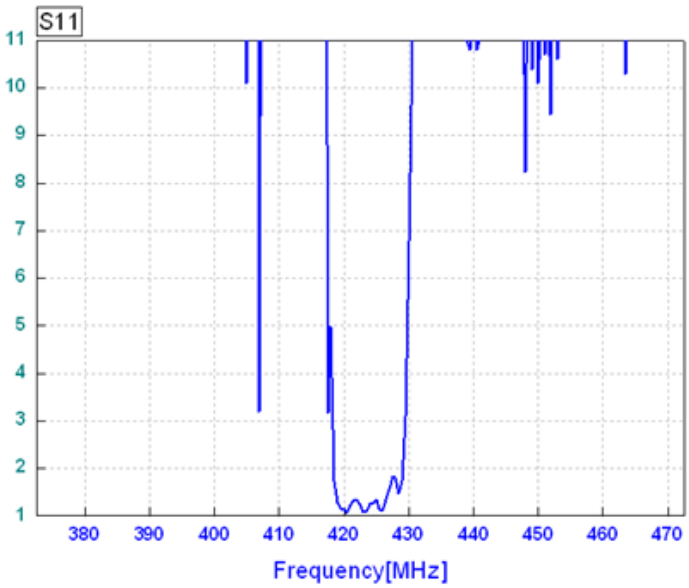
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	422.5	-
Insertion Loss within 420.0 ~ 425.0 MHz	dB	-	1.5	3.0
Attenuation:				
0.3 ~ 410.0 MHz	dB	38	47	-
410.0 ~ 415.0 MHz	dB	40	49	-
445.0 ~ 600.0 MHz	dB	40	48	-
600.0 ~ 1200.0 MHz	dB	33	38	-
1200.0 ~ 2000.0 MHz	dB	25	32	-
VSWR within 420.0 ~ 425.0 MHz	-	-	1.4	2.0

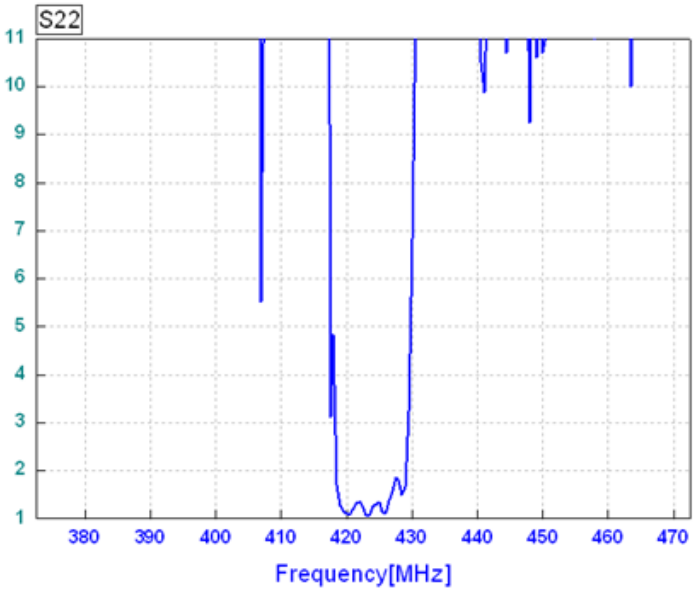
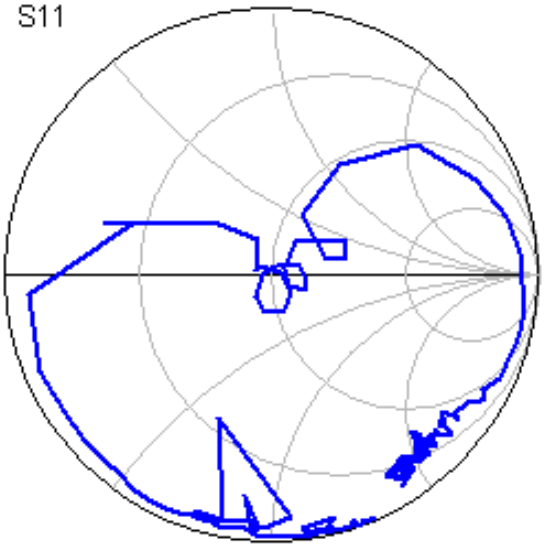
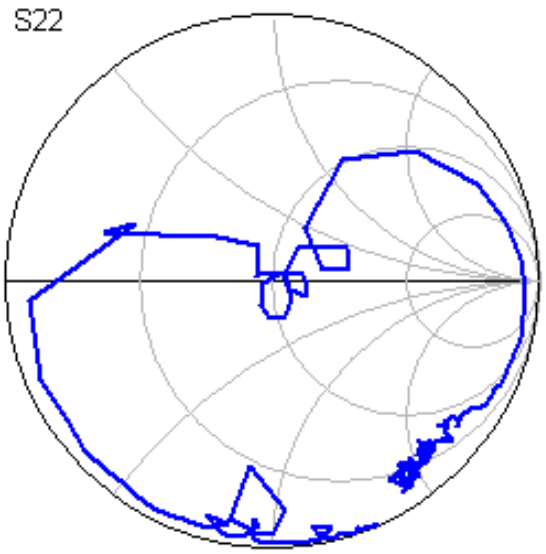
Frequency Performance





VSWR





Smith Chart