



PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
860-RF836.5M-F	CDMA, RF-Tx SAW Filter

Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
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- o Frequency Performance
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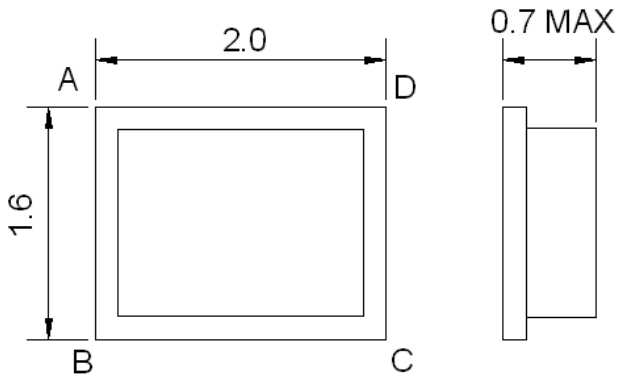
Notes

- 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)

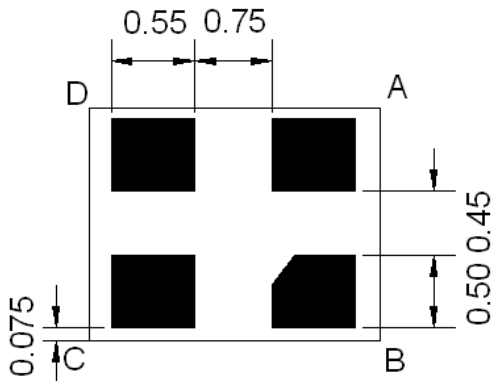




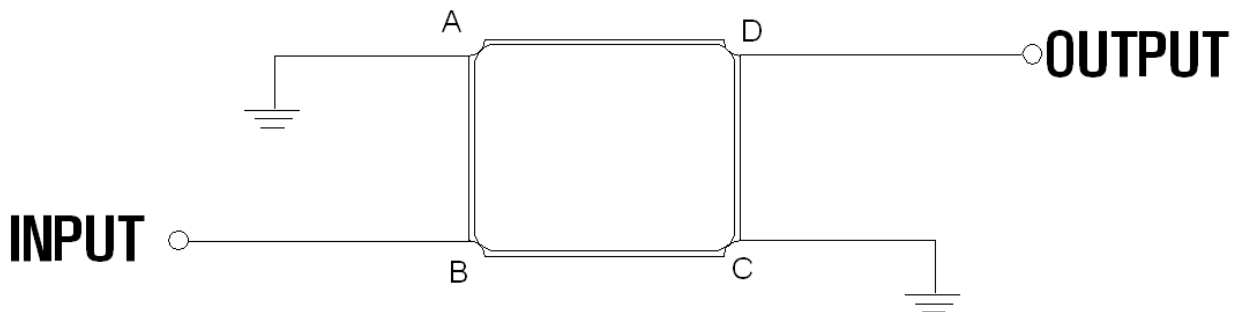
Mechanical Dimensions (mm)



Pin Description	
A, C	Ground
B	In
D	Out



Test Circuit



Source and Load Impedance: 50 Ω



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	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-

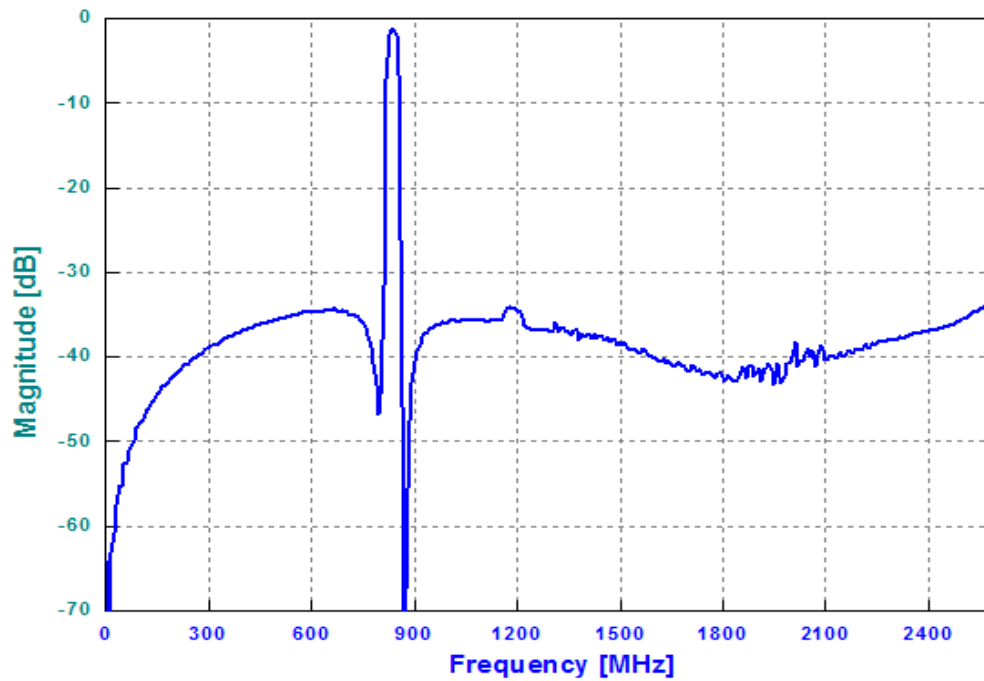
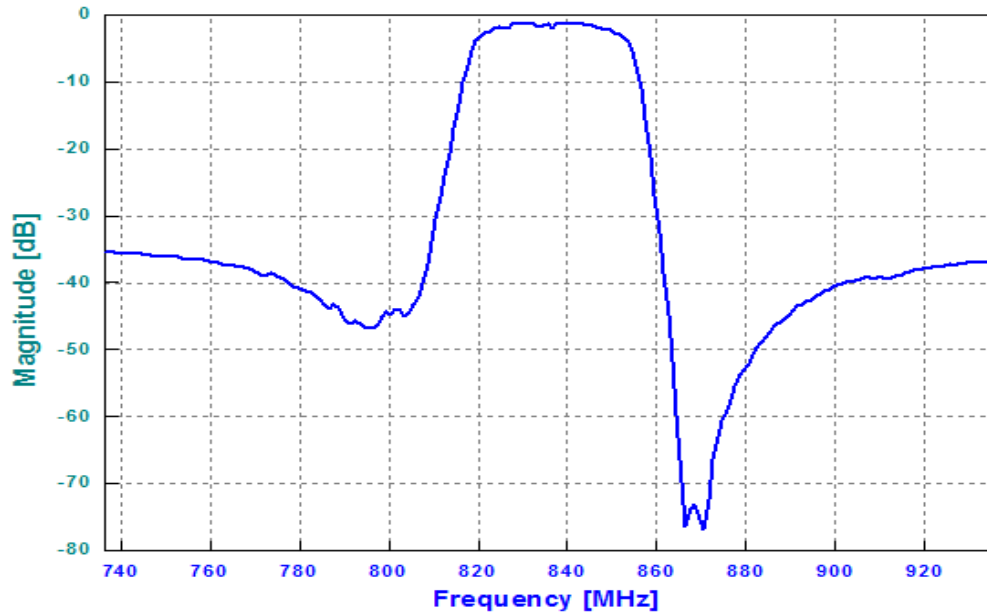
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	836.5	-
Insertion Loss within 824 ~ 849MHz	dB	-	2.2	2.9
Amplitude Ripple within 824 ~ 849 MHz	dB _{p-p}	-	1.0	1.8
Attenuation:				
D.C. ~ 770 MHz	dB	30	35	-
770 ~ 804 MHz	dB	35	39	-
869 ~ 894 MHz	dB	40	43	-
894 ~ 1080 MHz	dB	33	36	-
1080 ~ 1500 MHz	dB	32	35	-
1500 ~ 2000 MHz	dB	34	38	-
2000 ~ 2600 MHz	dB	28	33	-
VSWR within 824 ~ 849 MHz	-	-	1.9	2.3

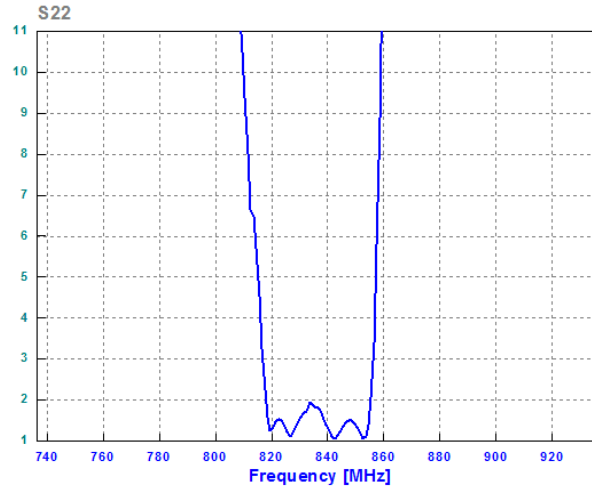
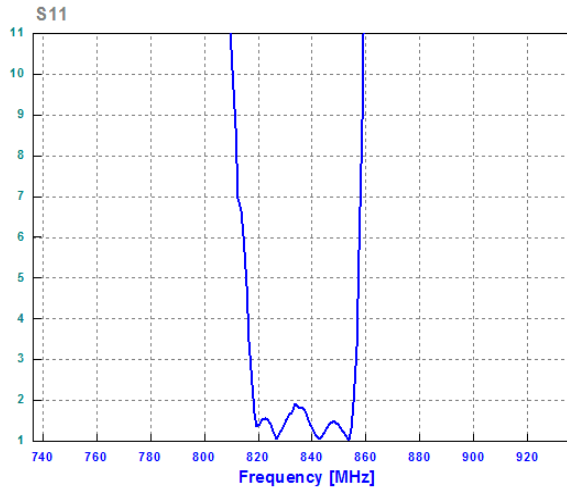


Frequency Performance





VSWR



Smith Chart

