



REV A January 2010


Oscilent Controlled Document

Ordering Code / Part Number	Product Description
860-RF1880.0M-B	UC-PCS, RF-Tx SAW Filter

**Specification Contents**

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

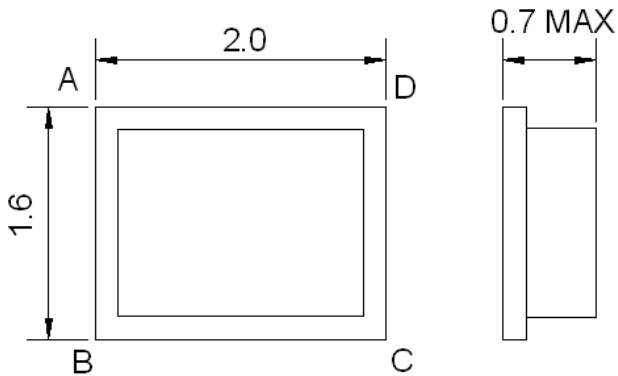
**Notes**

- 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)

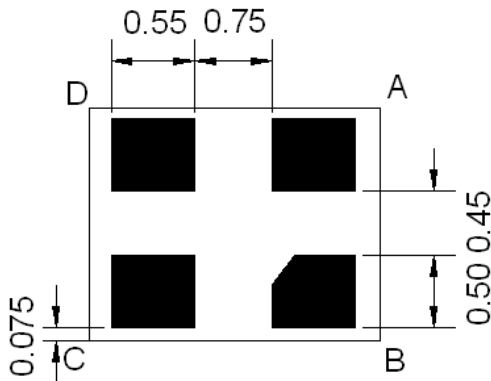




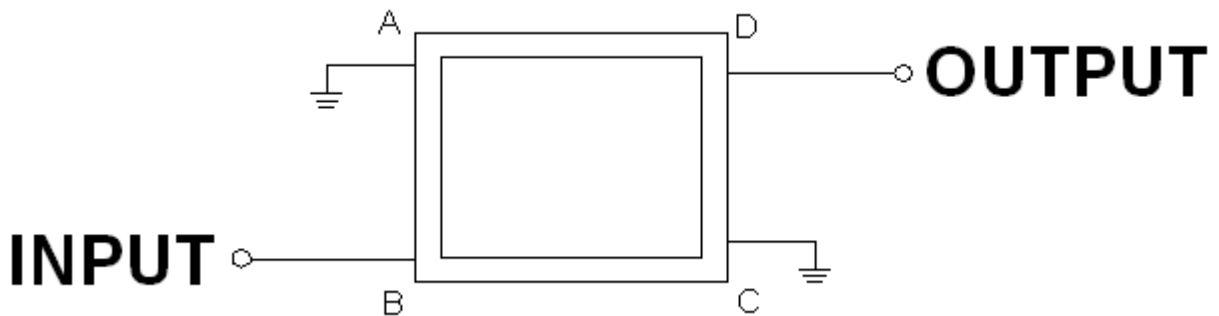
**Mechanical Dimensions (mm)**



Pin Description	
A, C	Ground
B	In
D	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	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-

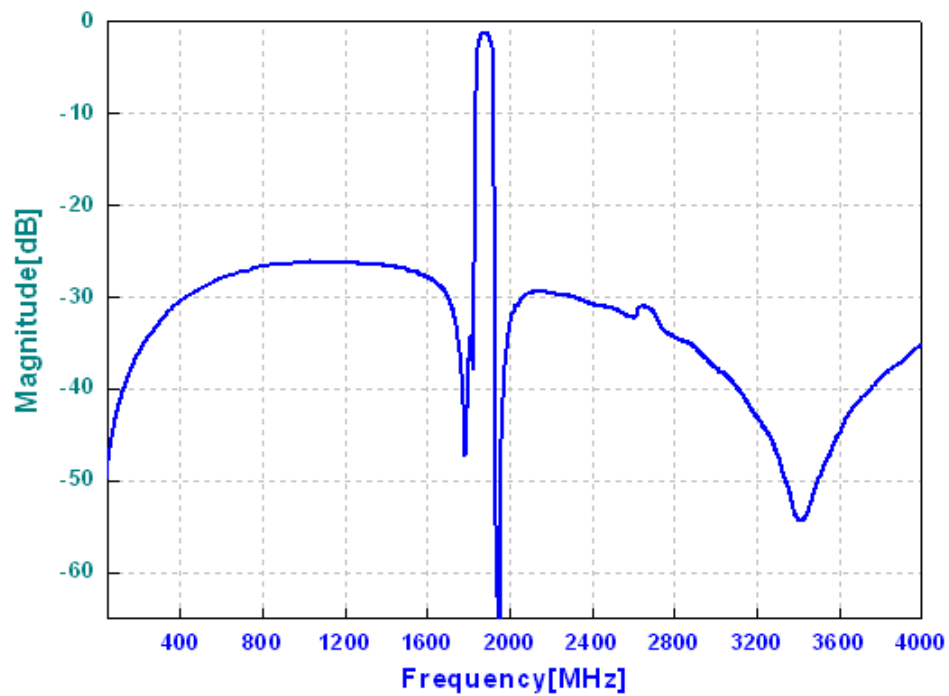
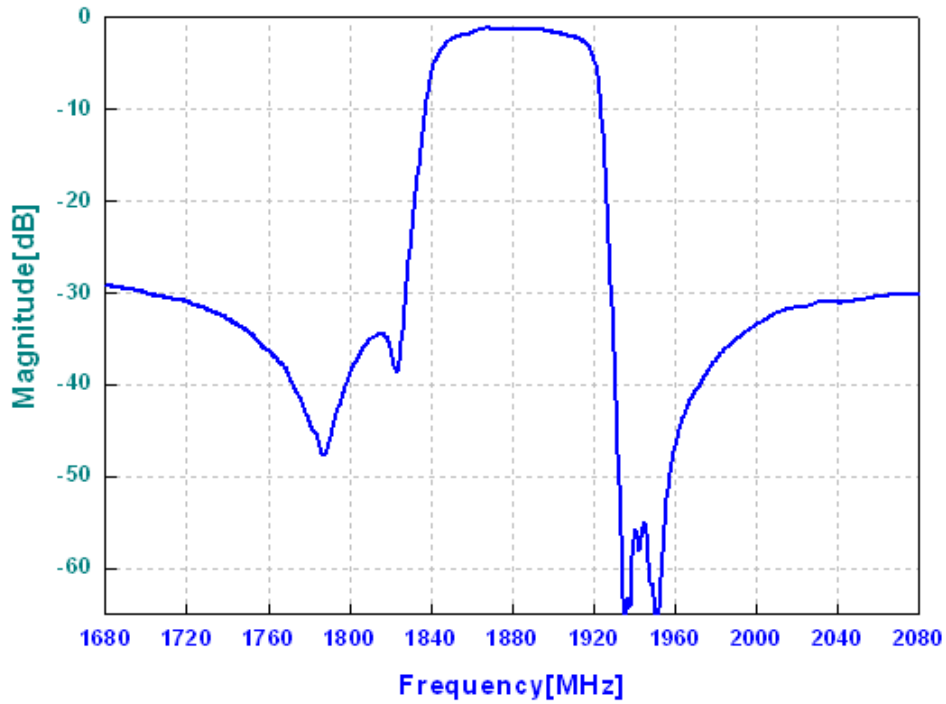
Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown above).

## Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1880	-
Insertion Loss within 1850~1910MHz	dB	-	2.5	3.8
Amplitude Ripple within 1850~1910MHz	dB <sub>p-p</sub>	-	1.4	2.3
Attenuation:				
D.C. ~ 1660 MHz	dB	20	26	-
1660 ~ 1721 MHz	dB	23	28	-
1721 ~ 1800 MHz	dB	25	31	-
1930 ~ 1990 MHz	dB	10	25	-
2000 ~ 2040 MHz	dB	25	30	-
2040 ~ 2480 MHz	dB	25	30	-
3700 ~ 3820 MHz	dB	30	35	-
VSWR within 1850~1910MHz	-	-	1.7	2.2



## Frequency Performance



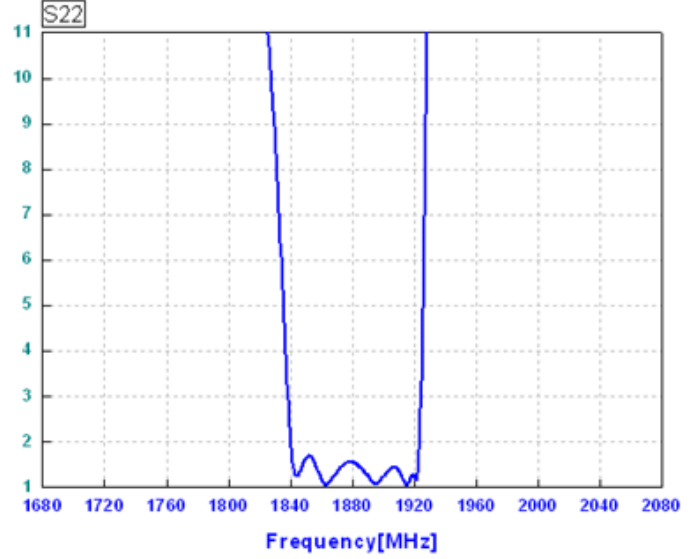
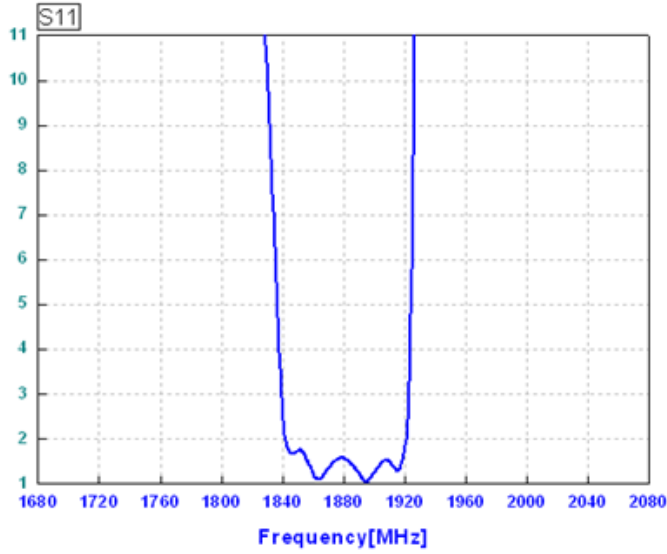


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### VSWR



### Smith Chart

