PRODUCT SPECIFICATION

REV A January 2011

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
800-RF1880.0M-B	Wireless, RF SAW Filter

Specification Contents

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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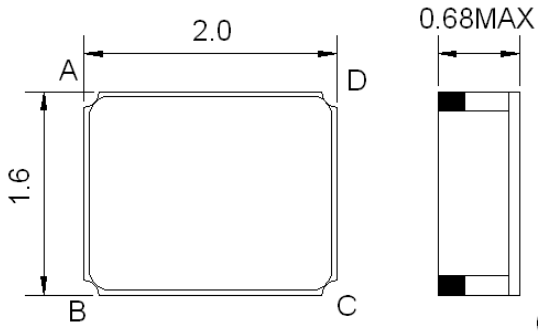
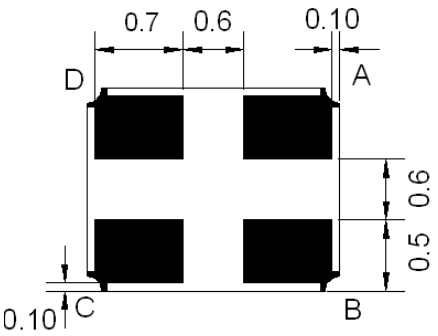
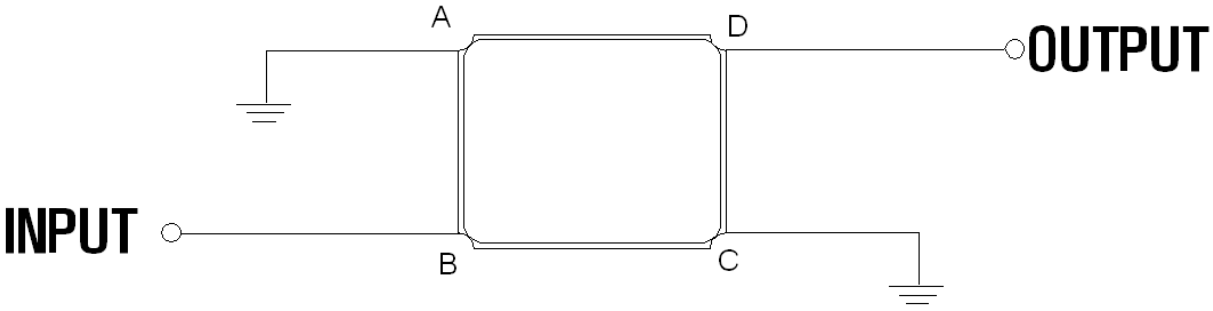
Mechanical Dimensions (mm)





Pin Description	
A, C	Ground
B	In
D	Out

Test Circuit



Source and Load Impedance: 50 Ω

Maximum Ratings

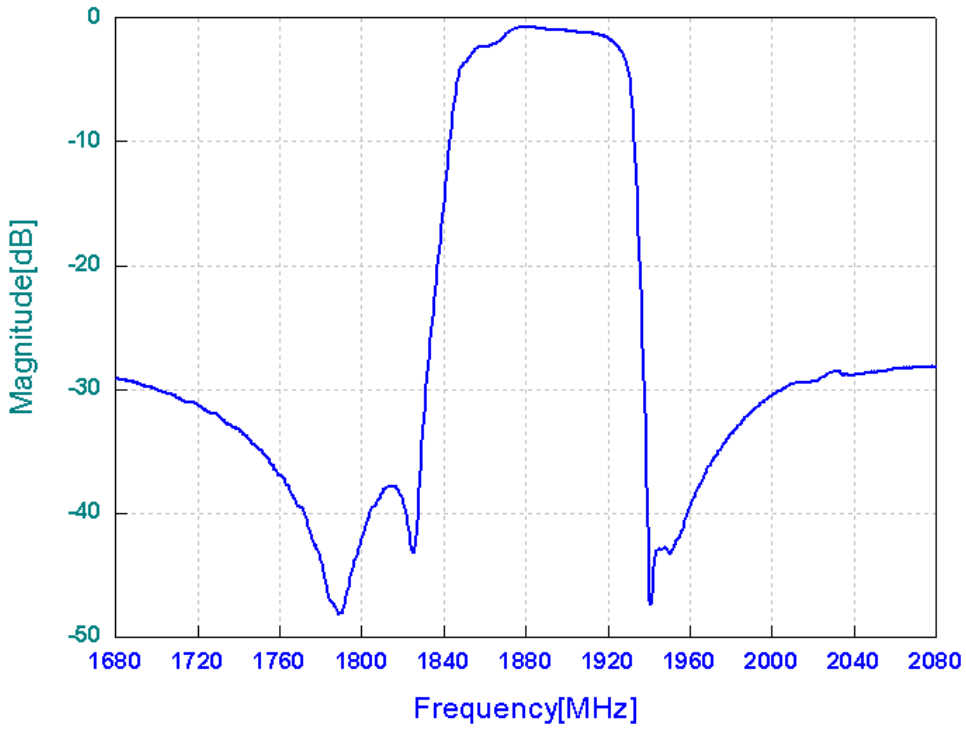
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-

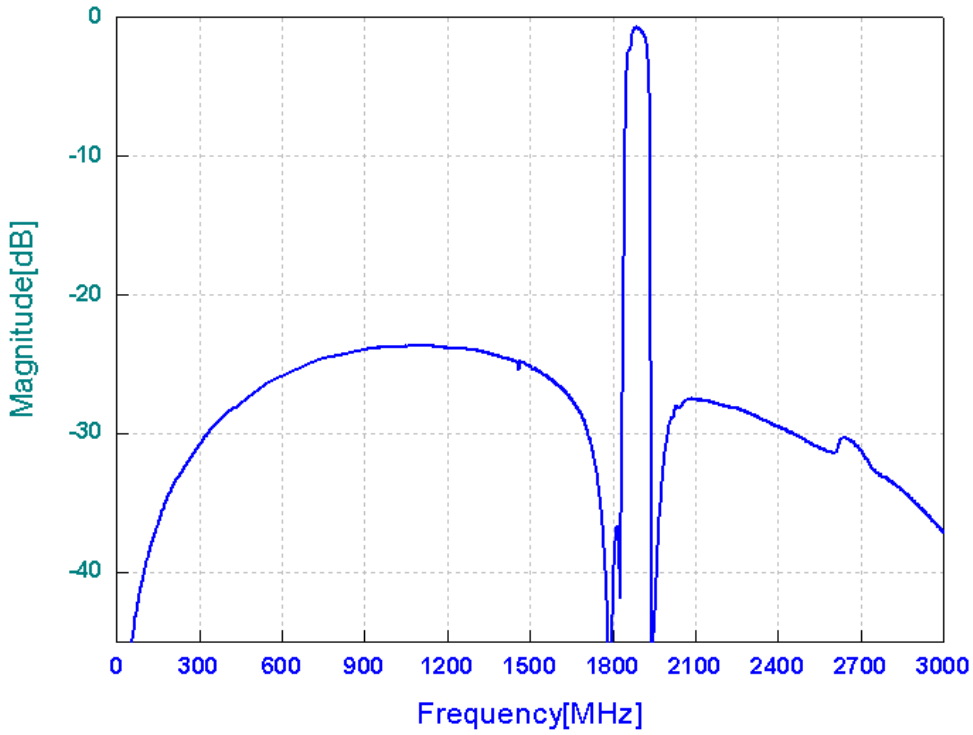
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

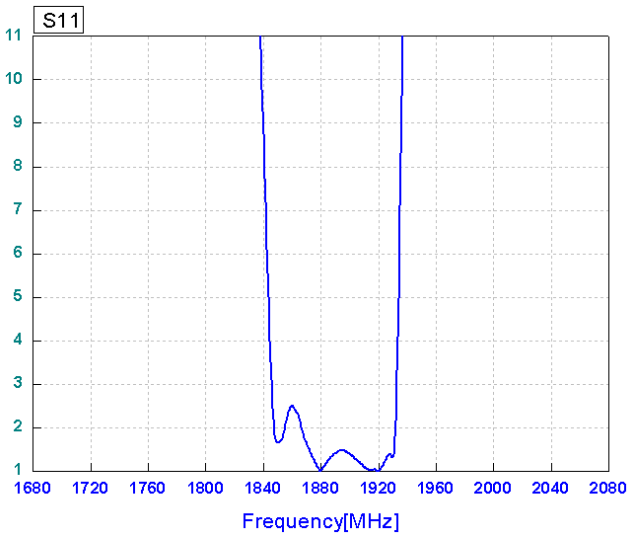
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1880.0	-
Insertion Loss within 1875.5 ~ 1884.5MHz	dB	-	1.2	3.0
Amplitude Ripple within 1875.5 ~ 1884.5MHz	dB_{p-p}	-	0.3	1.0
Attenuation:				
D.C. ~ 1660.0 MHz	dB	20	23	-
1660.0 ~ 1721.0 MHz	dB	23	27	-
1721.0 ~ 1800.0 MHz	dB	25	31	-
2000.0 ~ 2040.0 MHz	dB	25	30	-
2040.0 ~ 2480.0 MHz	dB	23	27	-
VSWR within 1875.5 ~ 1884.5MHz	-	-	1.3	2.0

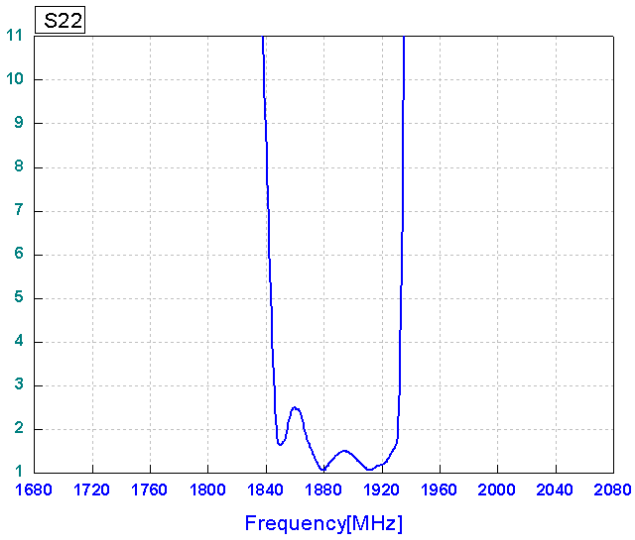
Frequency Performance





VSWR





Smith Chart