



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF1880.0M-A	US-PCS, RF-Tx SAW Filter

Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- 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)

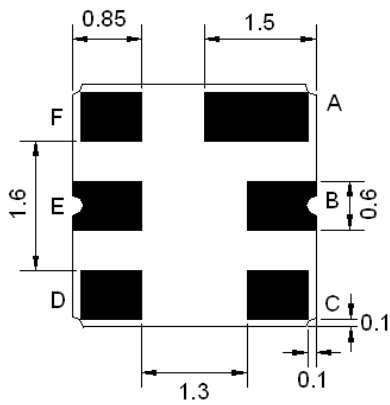




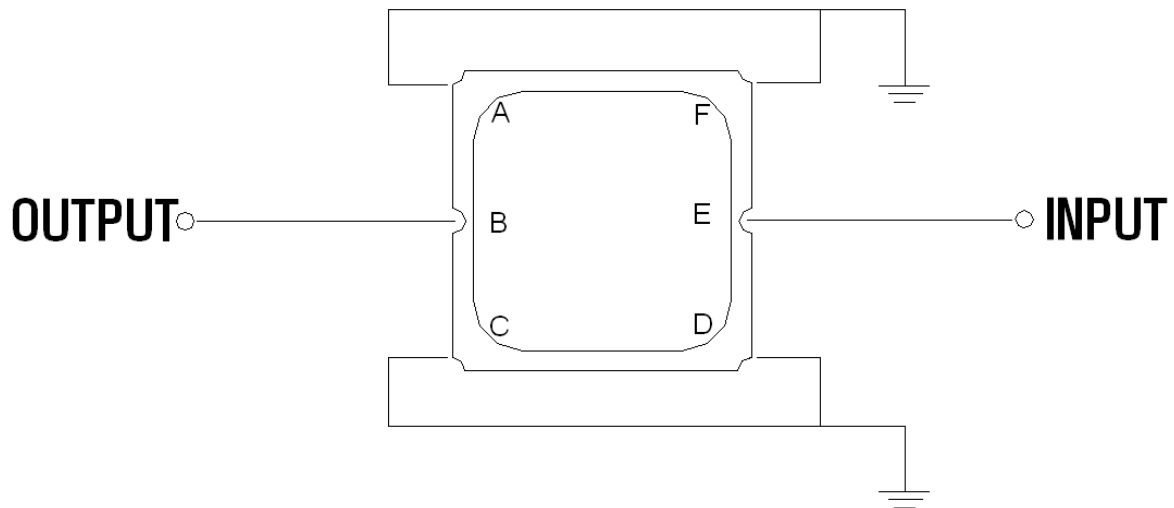
Mechanical Dimensions (mm)



Pin Description	
A, C, D, F	Ground
E	In
B	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	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-

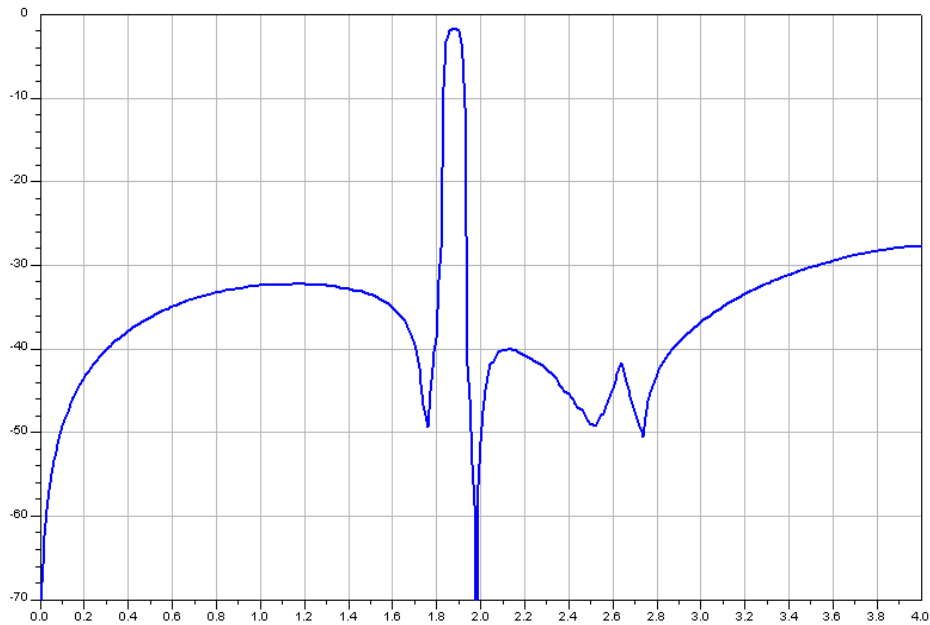
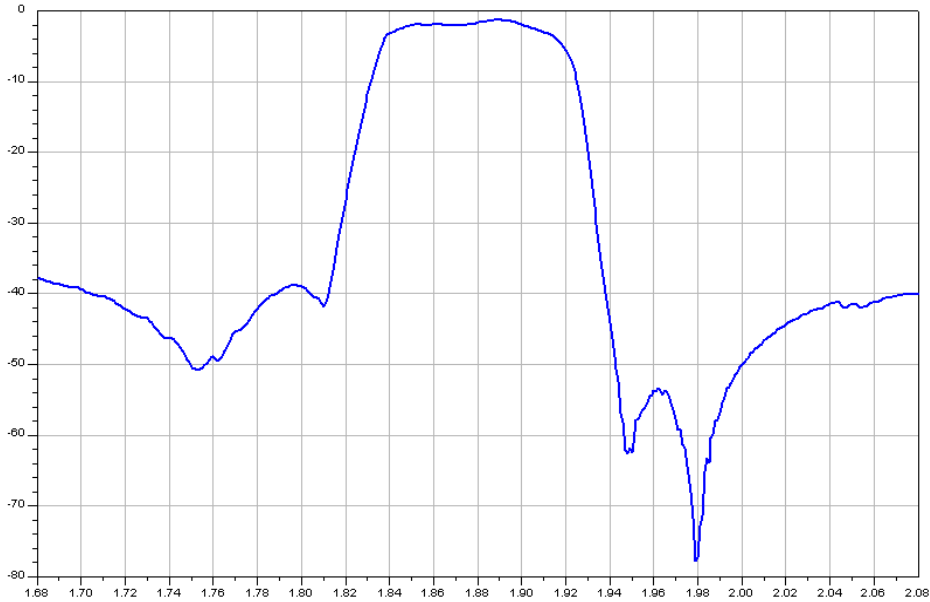
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1880	-
Insertion Loss within 1850~1910MHz	dB	-	3.0	4.0
Amplitude Ripple within 1850~1910MHz	dB _{p-p}	-	1.7	2.5
Attenuation:				
D.C. ~ 1660 MHz	dB	20	32	-
1660 ~ 1721 MHz	dB	25	32	-
1721 ~ 1800 MHz	dB	20	37	-
1930 ~ 1990 MHz	dB	7	19	-
2000 ~ 2040 MHz	dB	25	37	-
2040 ~ 2480 MHz	dB	31	38	-
3700 ~ 3820 MHz	dB	25	28	-
VSWR within 1850~1910MHz	-	-	1.8	2.2

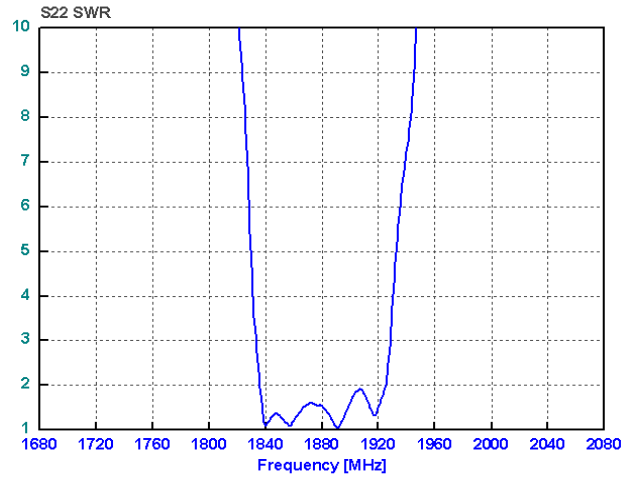
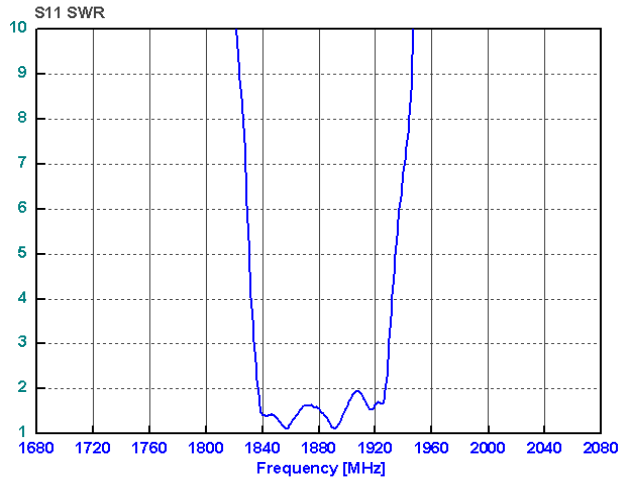


Frequency Performance





VSWR



Smith Chart

