



REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF1855.0M-D	K-PCS, RF-Rx SAW Filter

Specification Contents

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

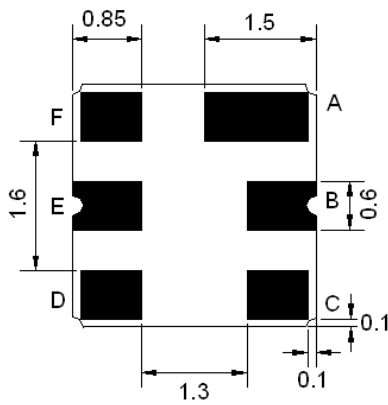




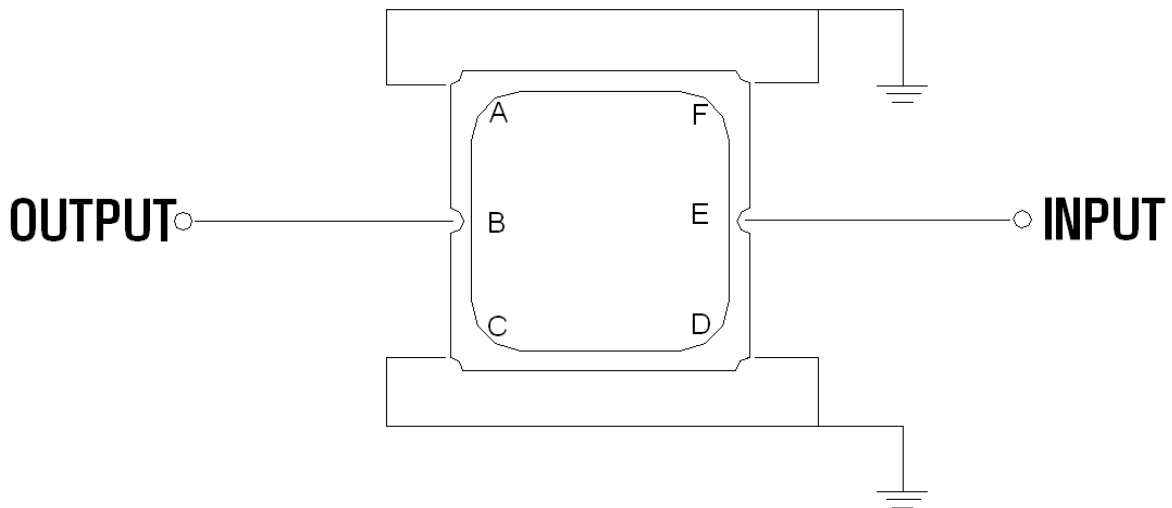
Mechanical Dimensions (mm)



Pin Description	
A, C, 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	-	-	7.5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-

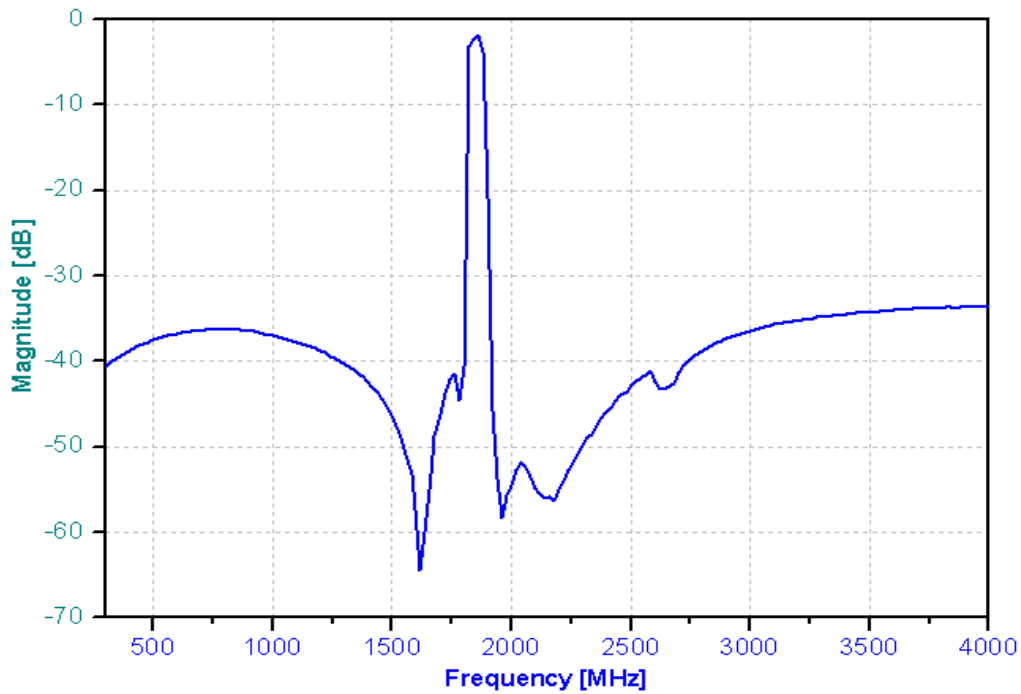
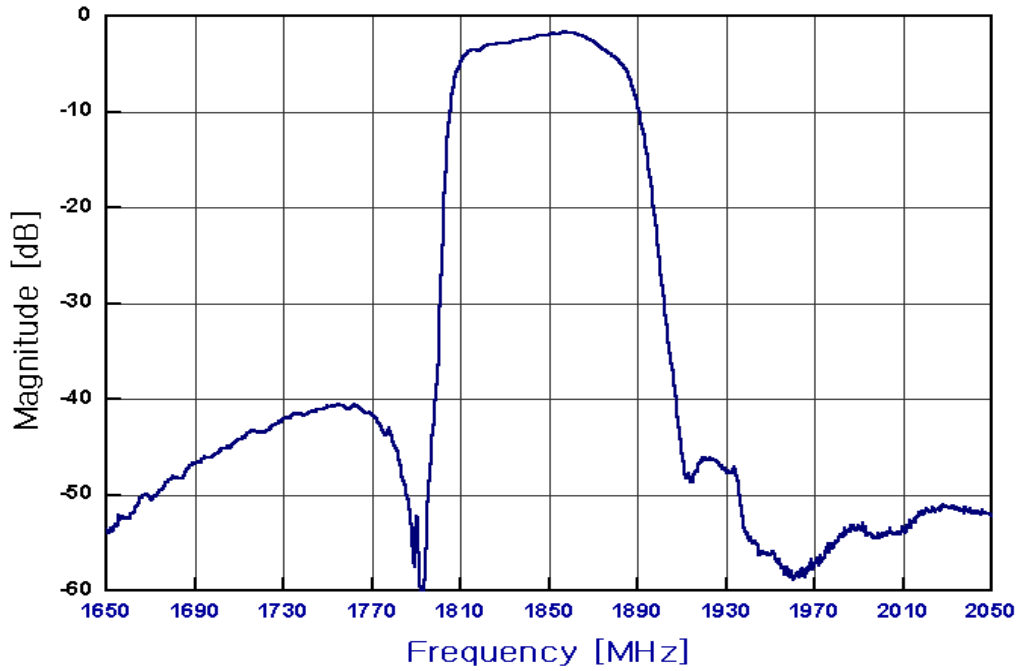
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1855	-
Insertion Loss 1840~1870 MHz	dB	-	2.3	3.0
Amplitude Ripple within 1840~1870 MHz	dB _{p-p}	-	0.8	1.5
Attenuation:				
1440 ~ 1470 MHz	dB	35	43	-
1750 ~ 1780 MHz	dB	35	40	-
1930 ~ 1960 MHz	dB	40	45	-
2240 ~ 2270 MHz	dB	40	48	-
VSWR (1840~1870 MHz)	-	-	1.6	2.0

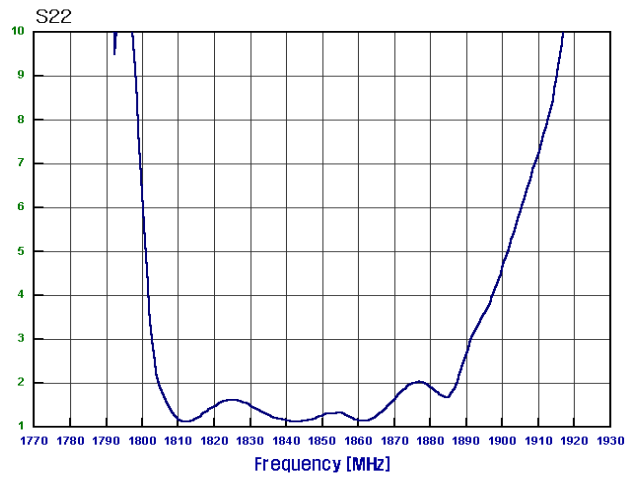
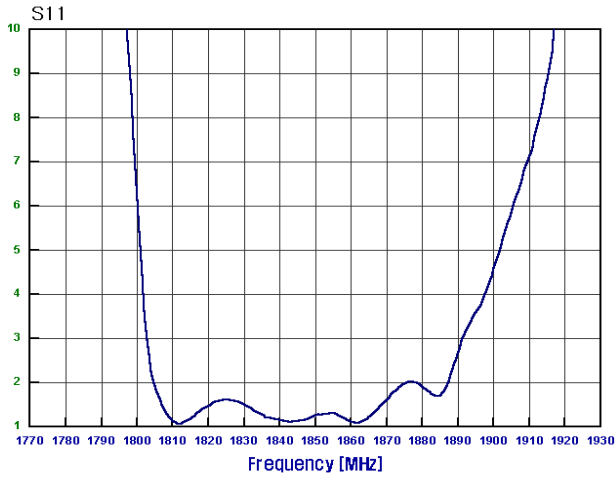


Frequency Performance





VSWR



Smith Chart

