



REV A January 2010


Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF1765.0M-D	K-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

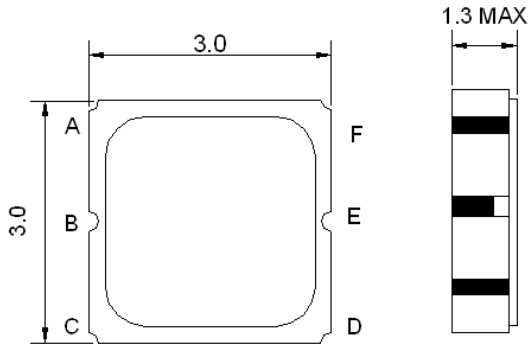
Notes

- 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)

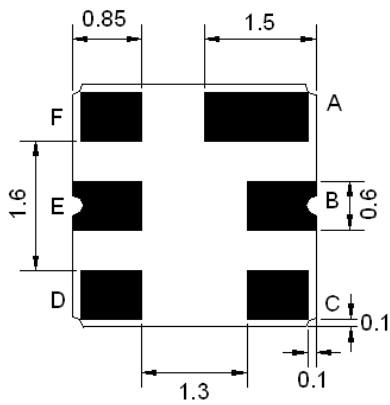




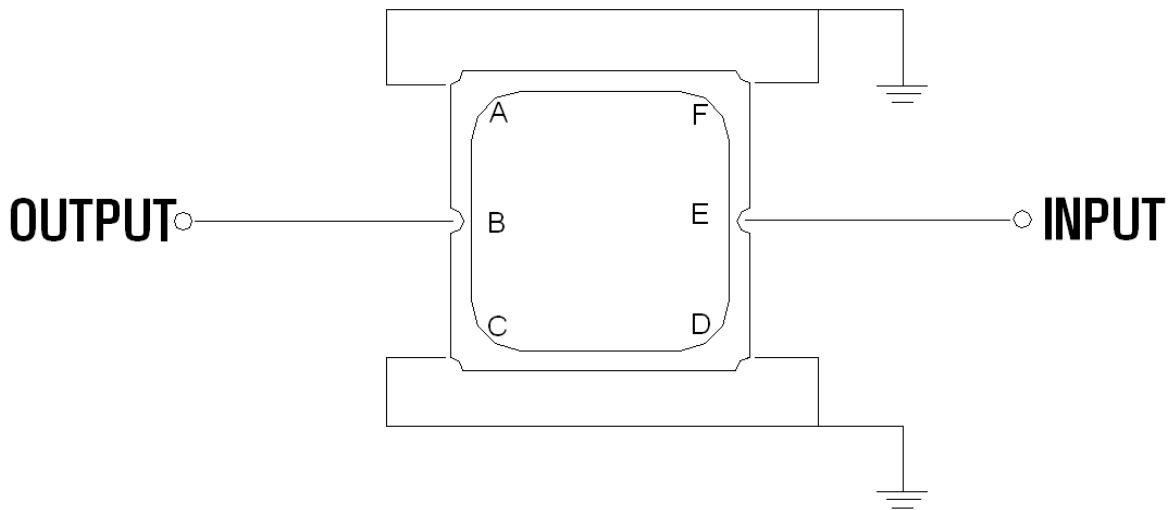
Mechanical Dimensions (mm)



Pin Description	
A, C, 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	-

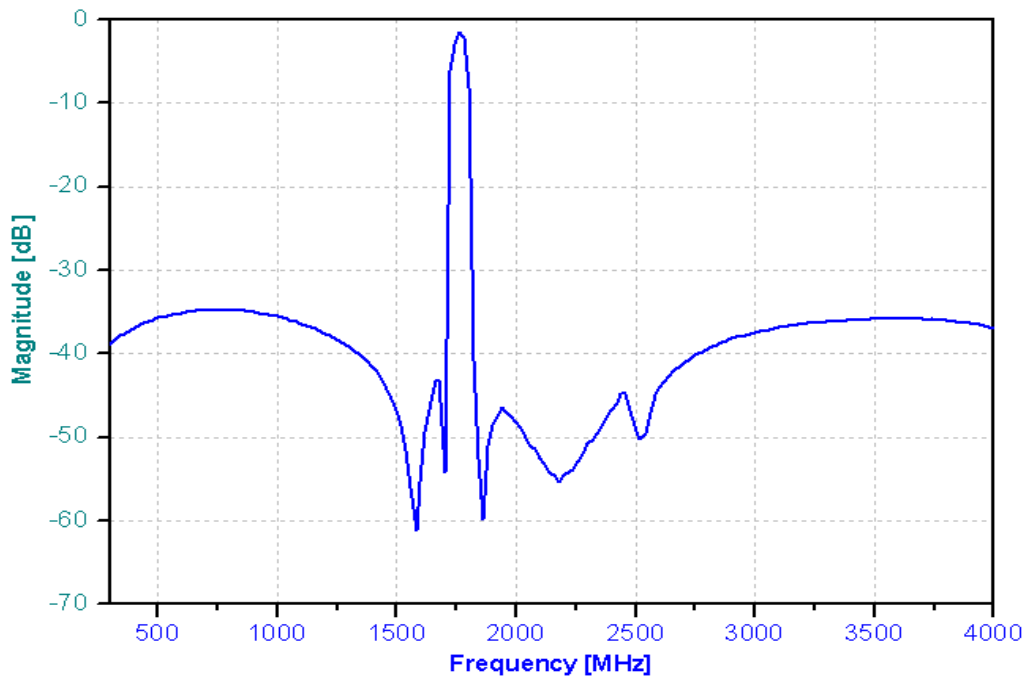
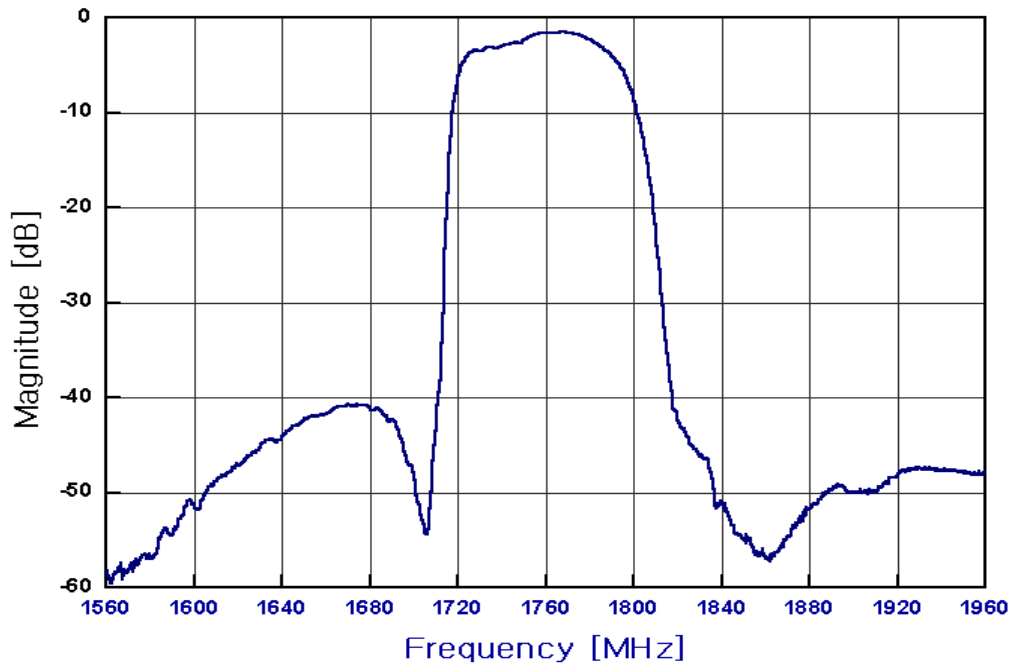
Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1765	-
Insertion Loss (1750~1780 MHz)	dB	-	2.4	3.2
Amplitude Ripple within 1750~1780 MHz	dB _{p-p}	-	1.0	1.5
Attenuation:				
1350 ~ 1380 MHz	dB	35	40	-
1660 ~ 1690 MHz	dB	35	40	-
1840 ~ 1870 MHz	dB	40	45	-
2150 ~ 2180 MHz	dB	40	50	-
VSWR (1750~1780 MHz)	-	-	1.6	2.0

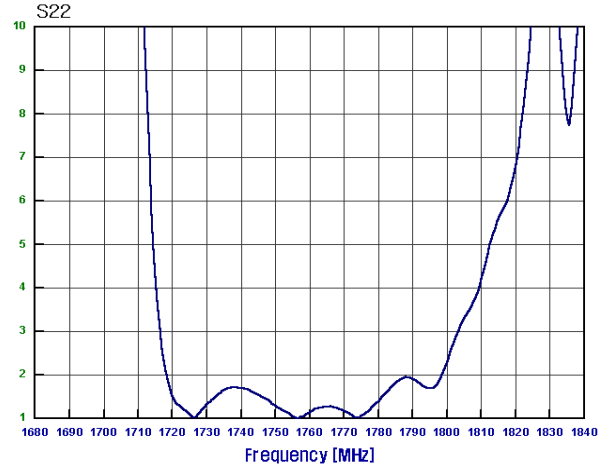
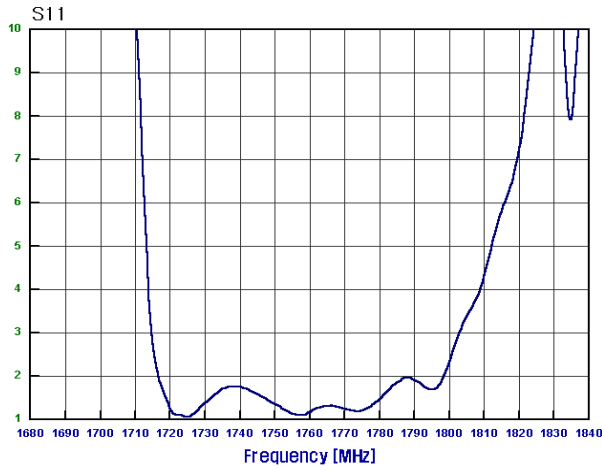


Frequency Performance





VSWR



Smith Chart

