

- PCN, RF SAW Filter
- Revision 1: July 2011

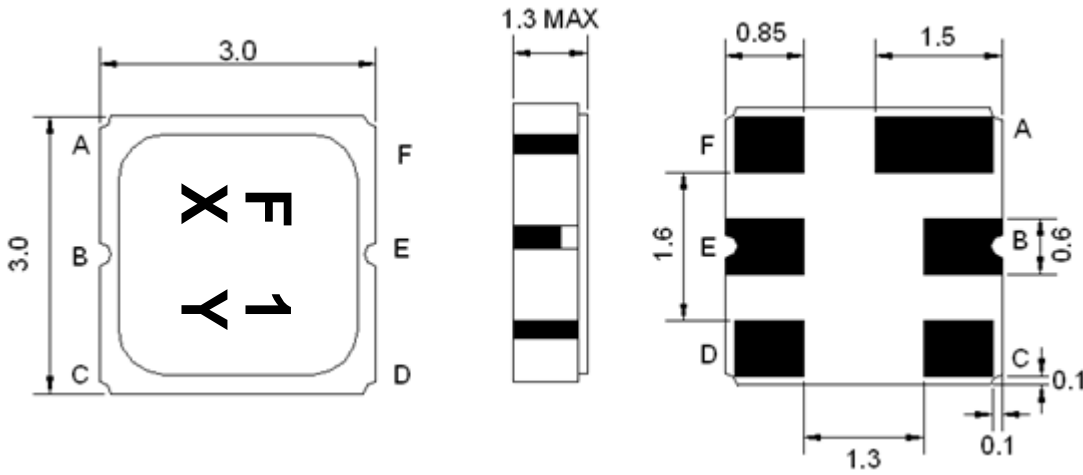
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	5
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1747.5	-
Insertion Loss within 1710 ~ 1785 MHz	dB	-	3.2	4.0
Amplitude Ripple within 1710 ~ 1785 MHz	dB <sub>p-p</sub>	-	1.9	2.5
Attenuation:				
D.C. ~ 1670 MHz	dB	18	23	-
1670 ~ 1680 MHz	dB	15	40	-
1805 ~ 1880 MHz	dB	5	8	-
1880 ~ 4500 MHz	dB	20	25	-
4500 ~ 5200 MHz	dB	15	20	-
VSWR within 1710 ~ 1785 MHz	-	-	3.0	3.5

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

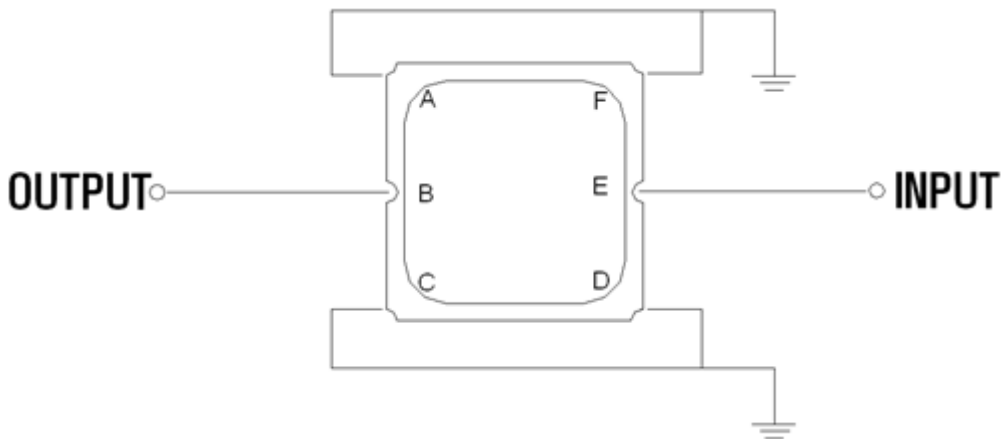
## Package Dimensions



Marking Descriptions	
F	PCN Application
1	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, F	Ground
E	In
B	Out

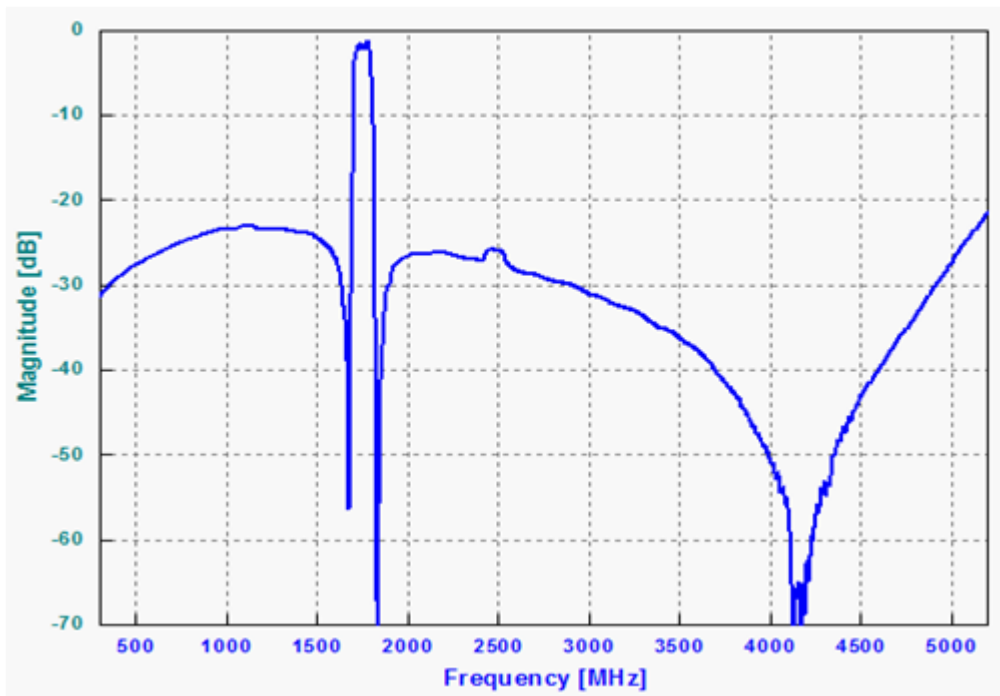
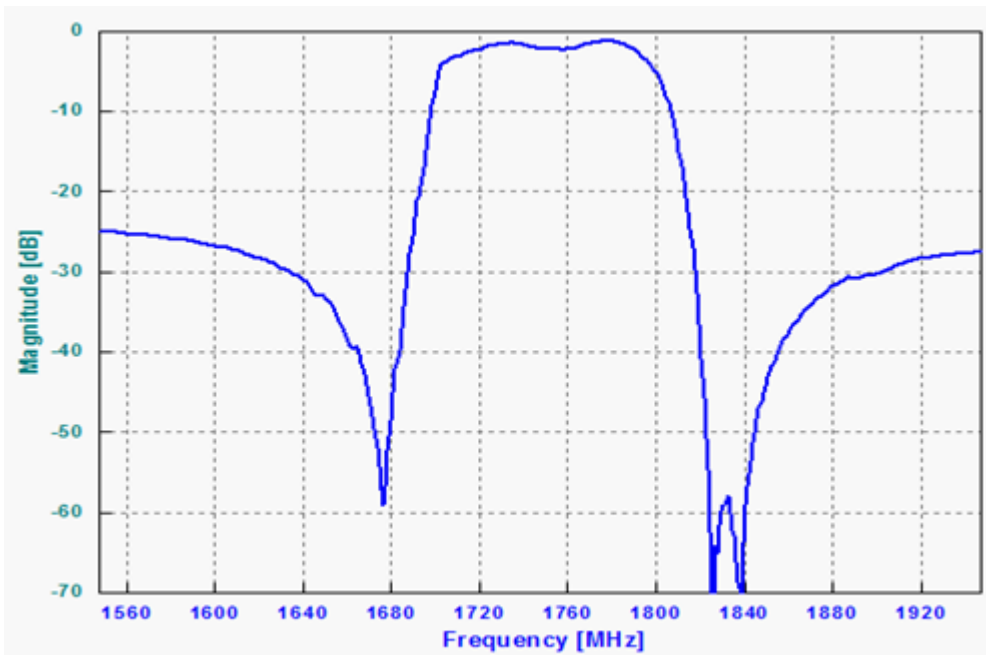
## Testing Environment



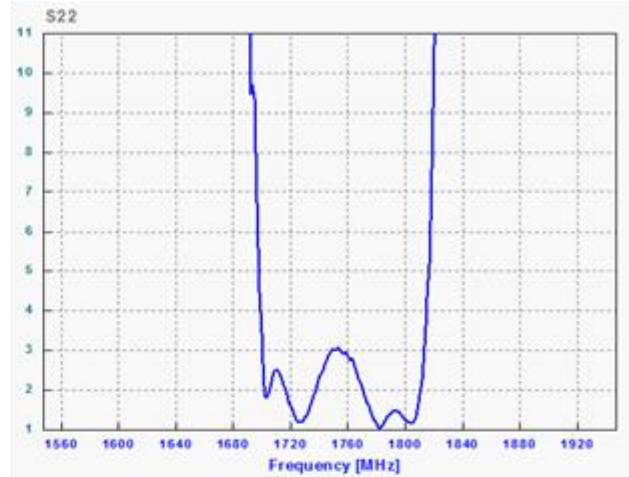
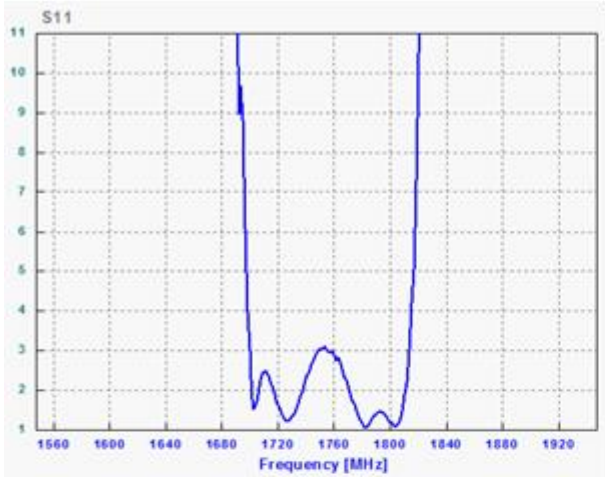
Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics

Frequency Response



**VSWR**



**Smith Chart**

