

- LTE, RF SAW Filter
- Revision 0: October 2012

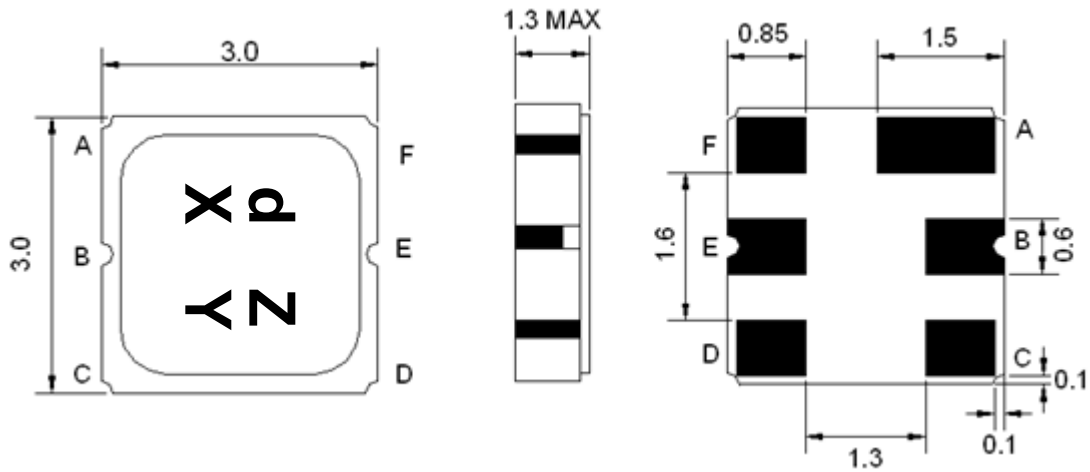
## Electrical Characteristics

MAXIMUM RATINGS				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-20	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	S20			
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	-	1840.0	-
Insertion Loss within 1830.0 ~ 1850.0 MHz	dB	-	1.6	3.0
Amplitude Ripple within 1830.0~1850.0 MHz	dB <sub>p-p</sub>	-	0.5	1.2
<b>Attenuation:</b>				
1735.0 ~ 1755.0 MHz	dB	40	50	-
VSWR within 1830.0 ~ 1850.0 MHz	-	-	1.7	2.2

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

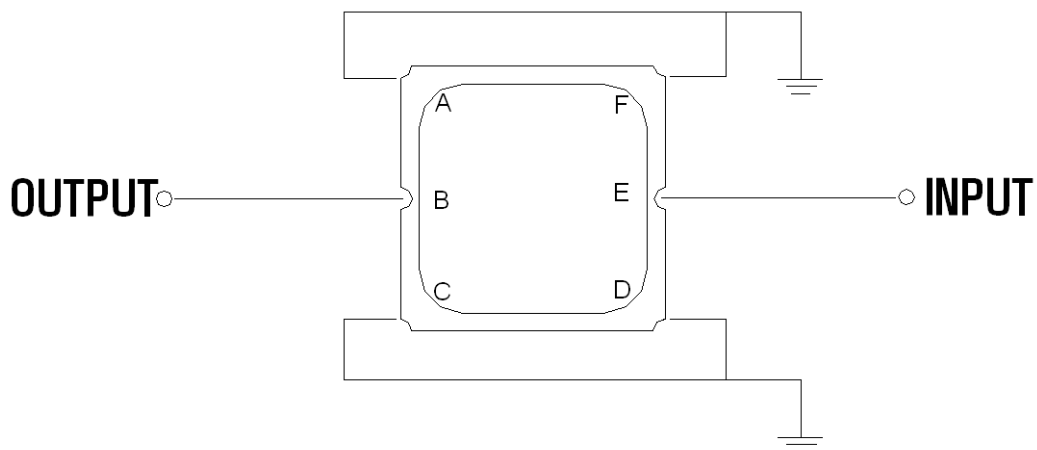
## Package Dimensions



Marking Descriptions	
d	LTE Application
Z	Series Number
X	Date Code (Year)
Y	Date Code (Month)

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

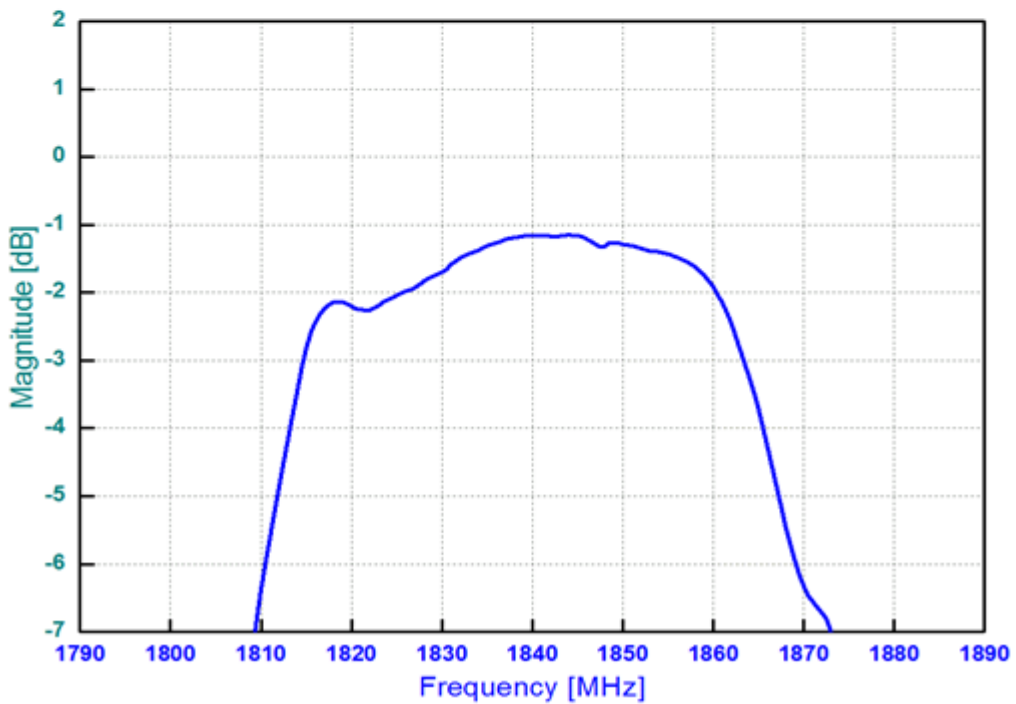
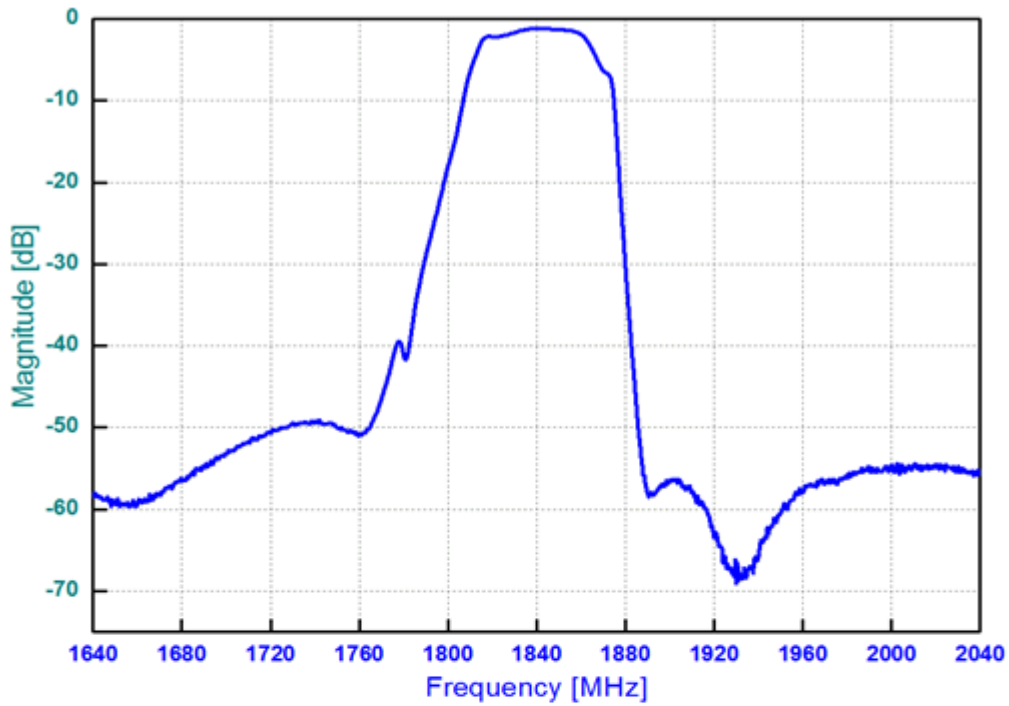
## Testing Environment



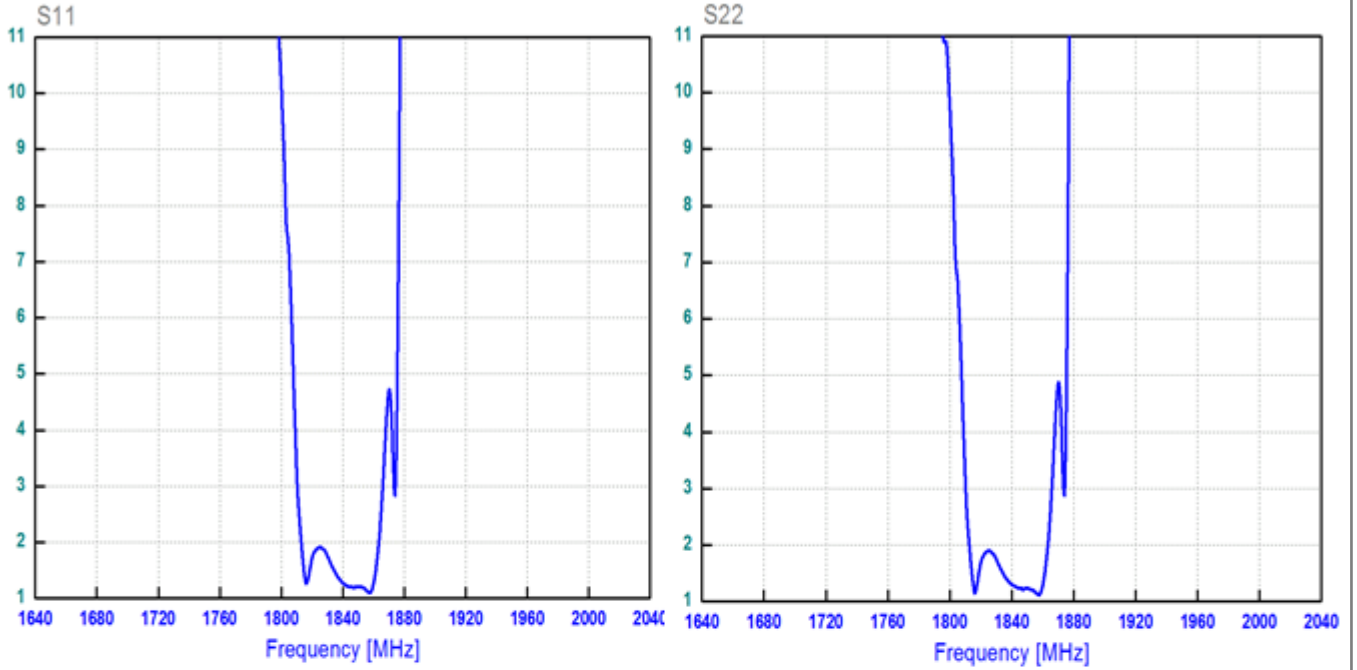
Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics

Frequency Response



**VSWR**



**Smith Chart**

