



*Total Solution Provider in Saw Device*

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# SA2017DM

**TD-SCDMA, RF SAW Filter**  
**Revision 0: September, 2009**



- Electrical Characteristics**
  - Package Dimensions**
  - Testing Environment**
  - Frequency Characteristics**
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## Electrical Characteristics

### Maximum Ratings

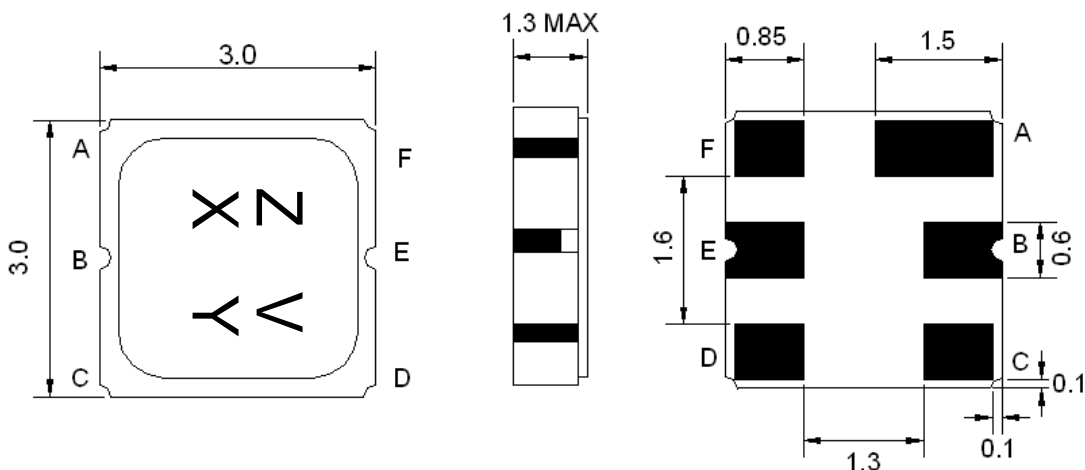
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	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	-	2017.5	-
Insertion Loss within 2010.0 ~ 2025.0 MHz	dB	-	2.5	3.2
Amplitude Ripple within 2010.0 ~ 2025.0 MHz	dB <sub>p-p</sub>	-	0.8	1.5
<b>Attenuation:</b>				
D.C. ~ 1820.0 MHz	dB	35	42	-
1820.0 ~ 1850.0 MHz	dB	40	55	-
1920.0 ~ 1980.0 MHz	dB	13	18	-
2085.0 ~ 2400.0 MHz	dB	40	50	-
2400.0 ~ 2430.0 MHz	dB	40	55	-
2430.0 ~ 3000.0 MHz	dB	30	45	-
VSWR within 2010.0~2025.0 MHz	-	-	1.4	2.1

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

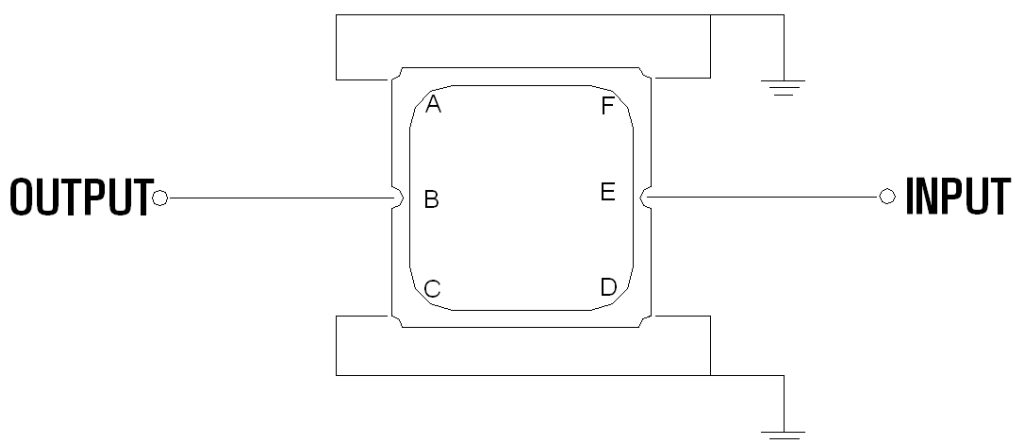
**Package Dimensions**



Marking Descriptions	
Z	Wireless Application
V	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

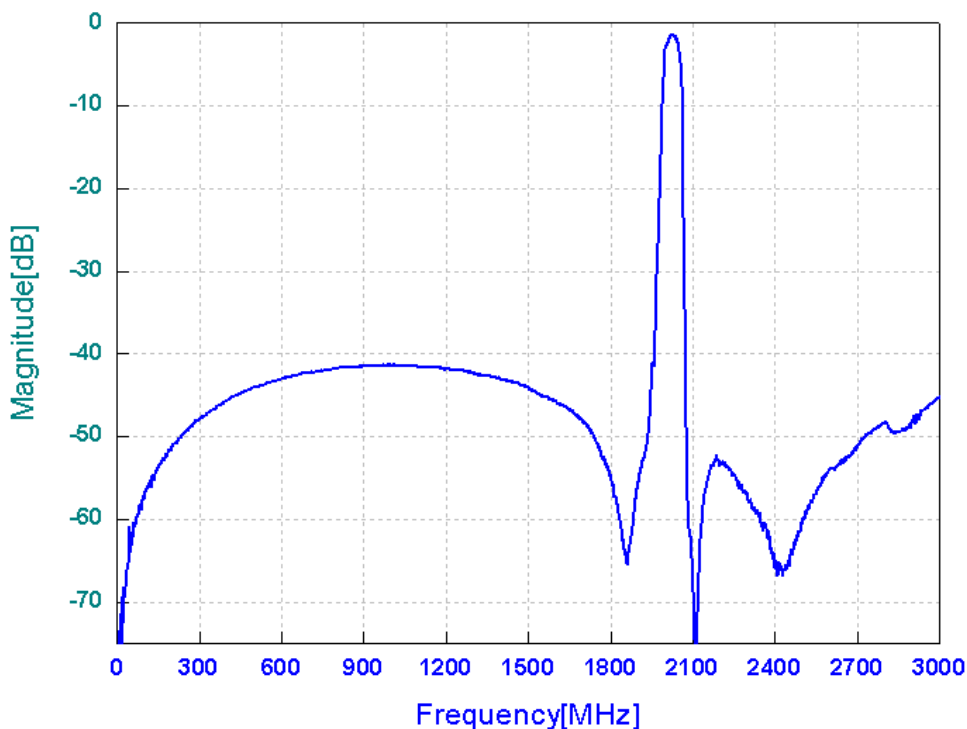
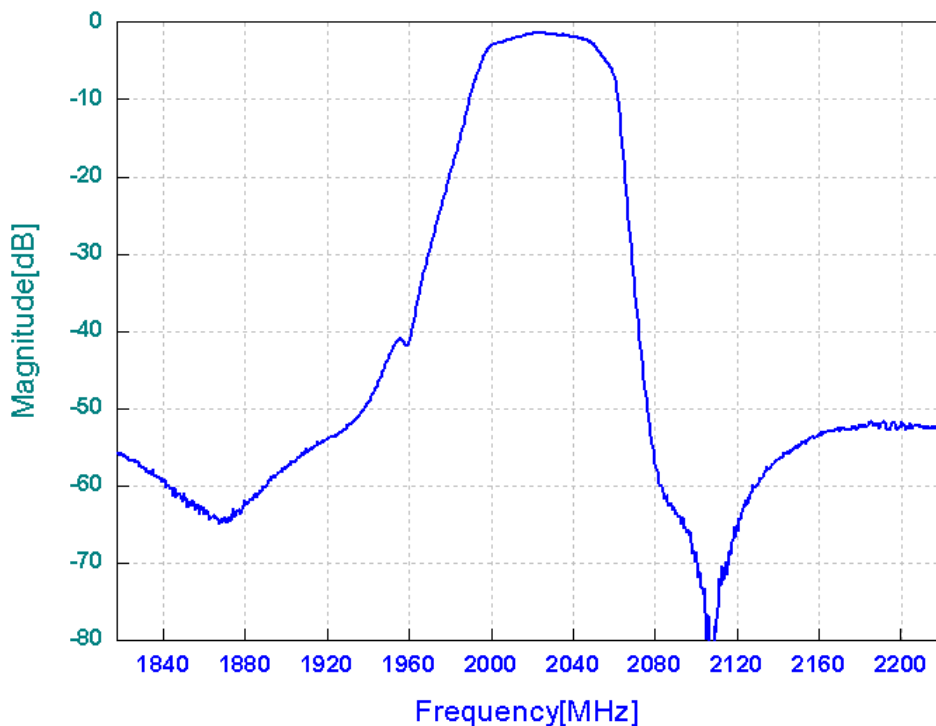
**Testing Environment**



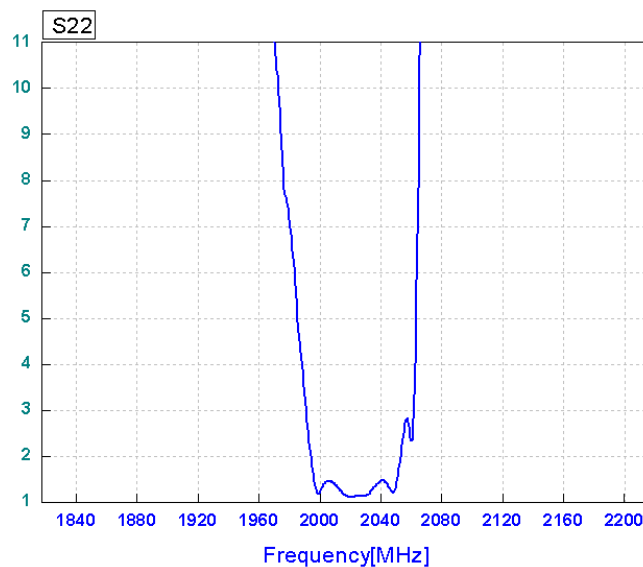
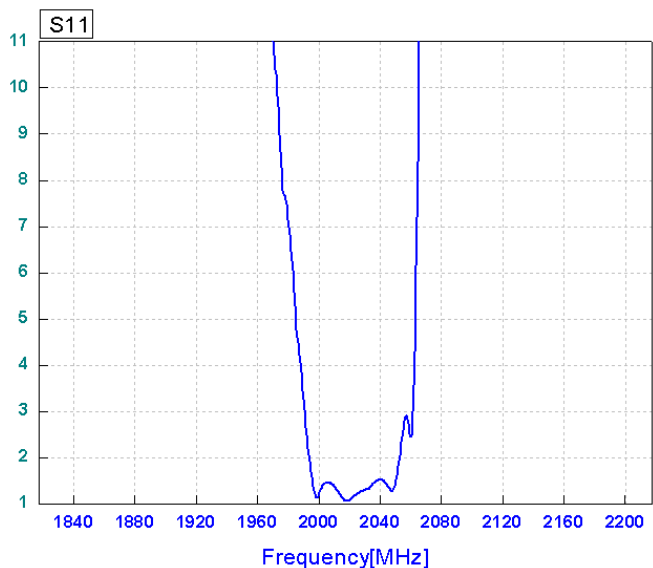
Source & Load Impedance: 50 Ω

**Frequency Characteristics**

Frequency Response



### VSWR



### Smith Chart

