



Total Solution Provider in Saw Device

SA2140CM1

WCDMA, RF-Rx SAW Filter

Revision 0:



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

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□ Electrical Characteristics

Maximum Ratings

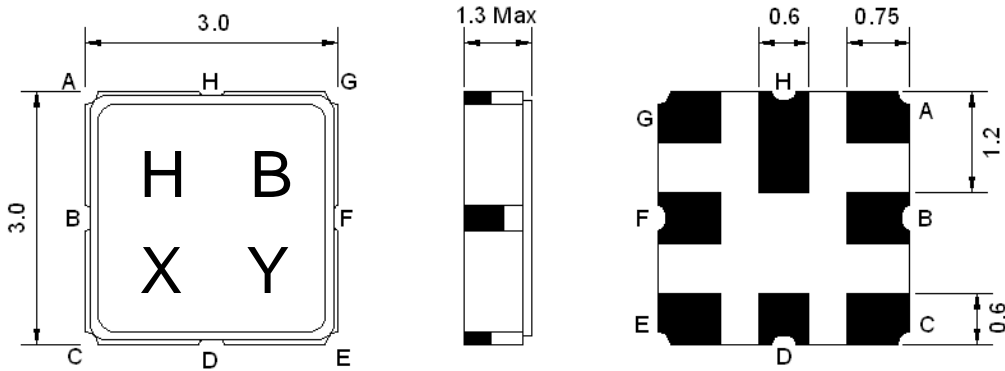
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+75
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M1			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2140.0	-
Insertion Loss within 2122.5 ~ 2157.5 MHz	dB	-	1.8	3.0
Amplitude Ripple within 2122.5 ~ 2157.5 MHz	dB _{p-p}	-	0.5	1.5
Group Delay Ripple within 2122.5 ~ 2157.5 MHz	ns _{p-p}	-	7.0	16
Attenuation:				
D.C. ~ 1880.0 MHz	dB	27	35	-
1880.0 ~ 2040.0 MHz	dB	30	35	-
2215.0 ~ 2400.0 MHz	dB	35	45	-
2400.0 ~ 3245.0 MHz	dB	25	30	-
3245.0 ~ 4000.0 MHz	dB	20	25	-
VSWR within 2122.5 ~ 2157.5 MHz	-	-	2.0	2.5

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

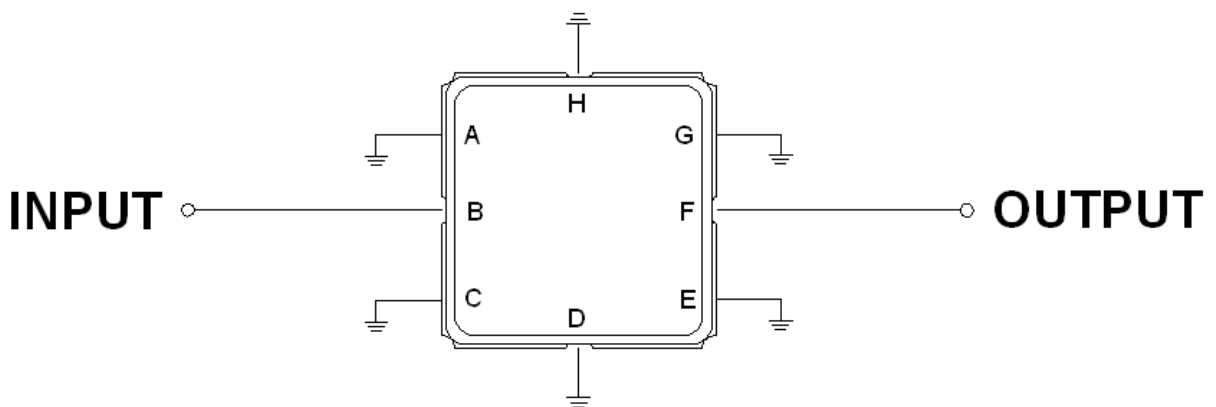
Package Dimensions



Marking Descriptions	
H	WCDMA Application
B	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

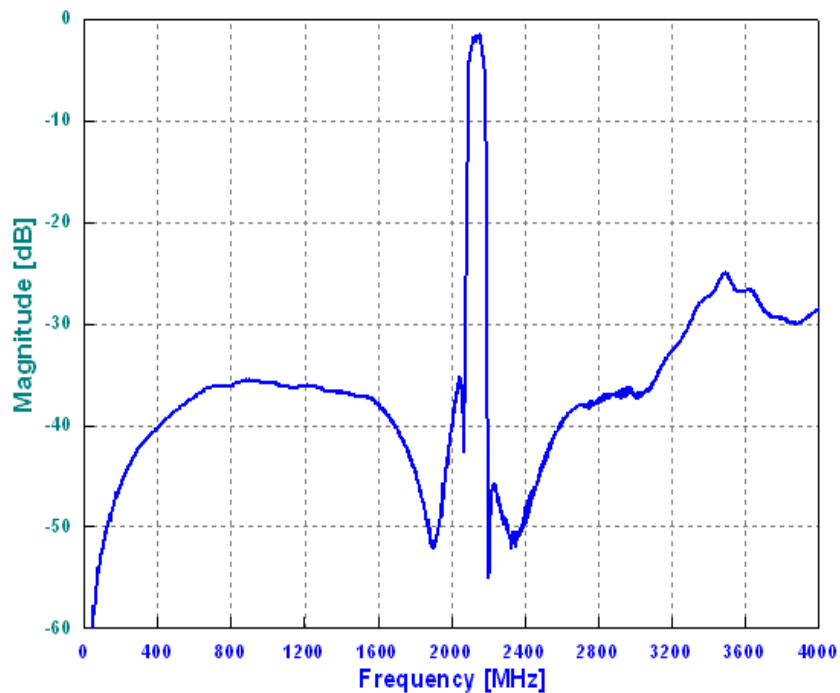
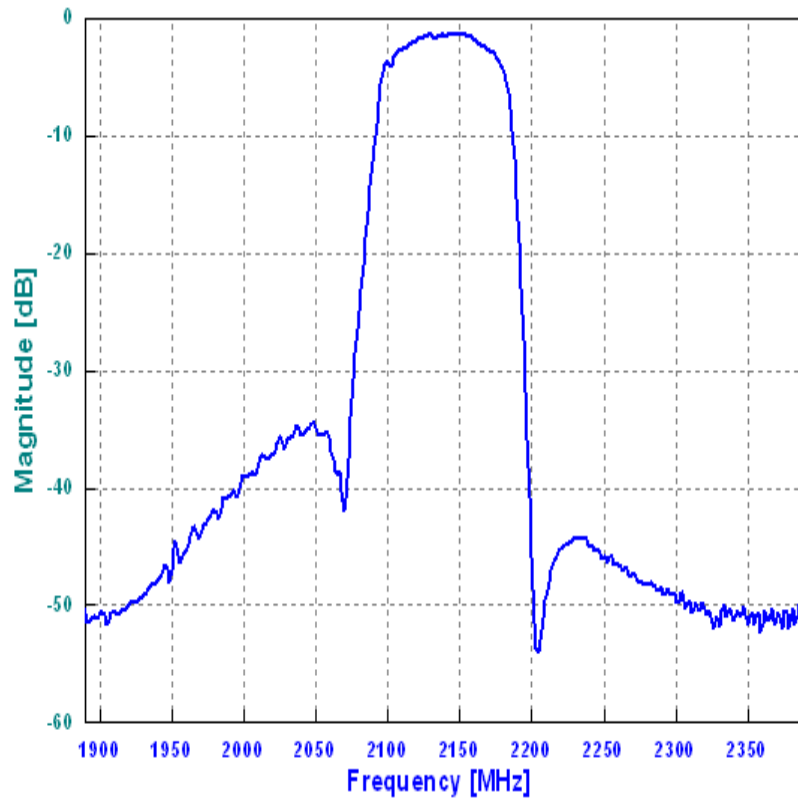
Testing Environment



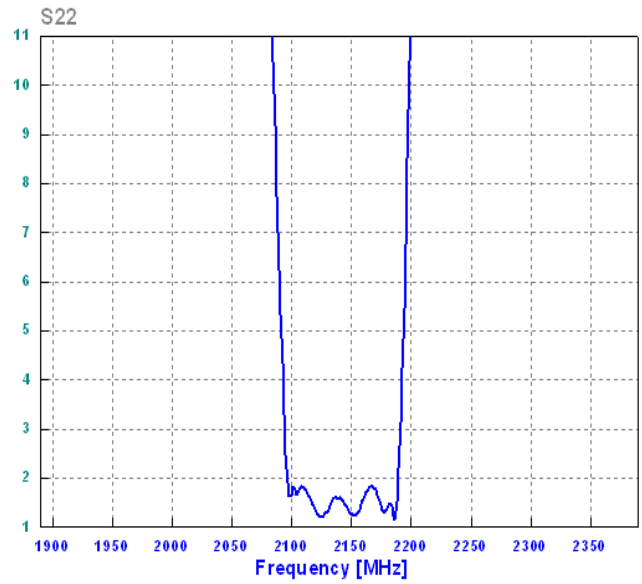
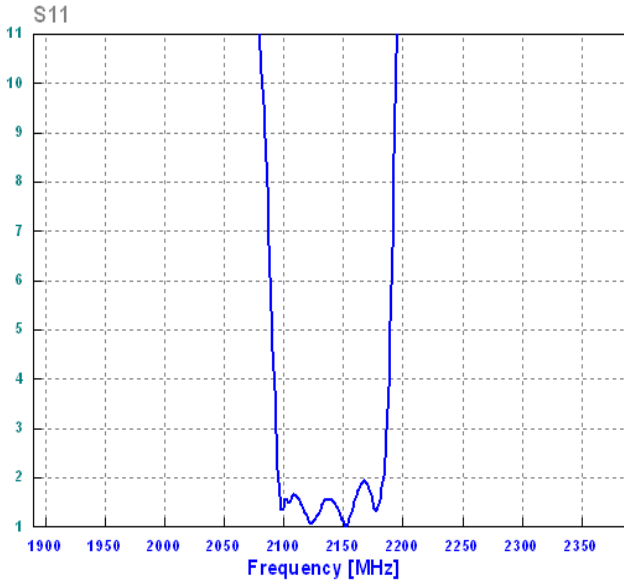
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

