



Total Solution Provider in Saw Device

SA787AM

Wireless, RF SAW Filter
Revision 0: March 2010



- Electrical Characteristics
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 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

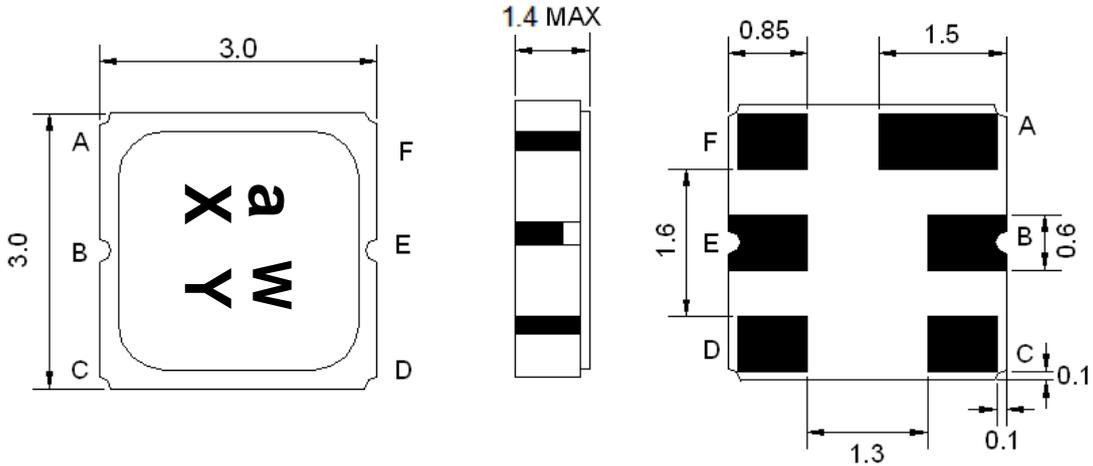
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	20
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	787.0	-
Insertion Loss within 776.0 ~ 798.0 MHz	dB	-	2.4	3.0
Amplitude Ripple within 776.0 ~ 798.0 MHz	dB _{p-p}	-	0.6	1.5
Attenuation				
10.0 ~ 746.0 MHz	dB	30	54	-
746.0 ~ 756.0 MHz	dB	30	52	-
1056.0 ~ 1078.0 MHz	dB	40	62	-
1078.0 ~ 2700.0 MHz	dB	25	31	-
Return Loss within 776.0 ~ 798.0 MHz	dB	7	10	-

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

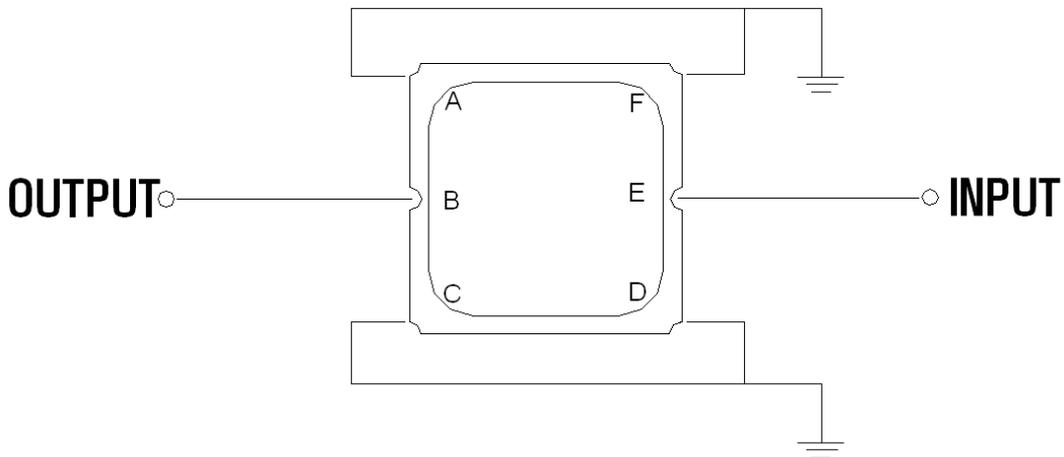
Package Dimensions



Marking Descriptions	
a	Wireless Application
W	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

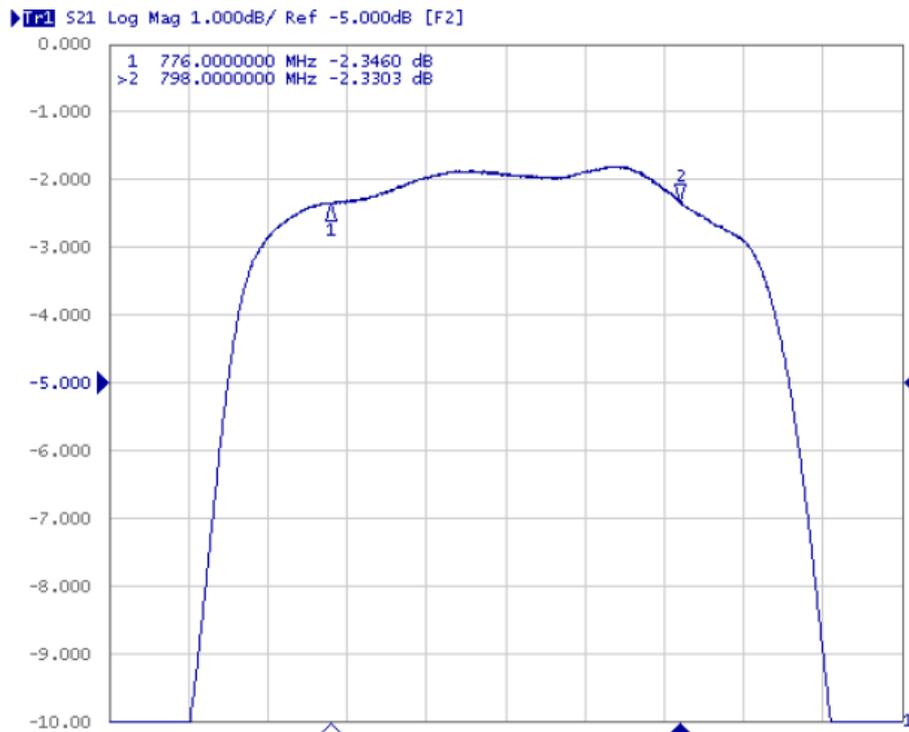
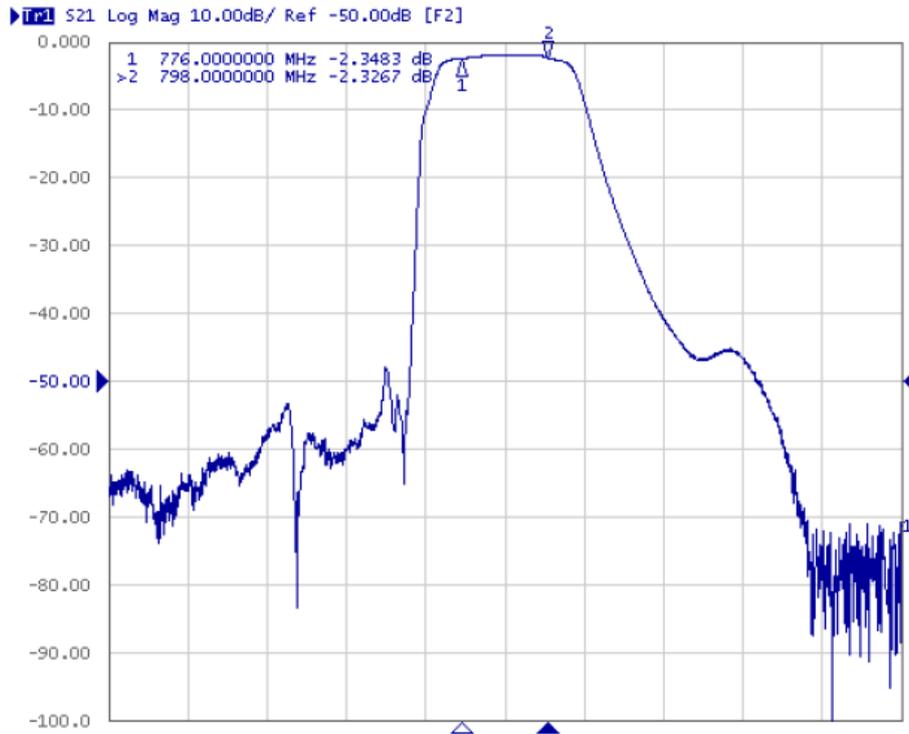
Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





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