



Total Solution Provider in Saw Device

SA320AP

Wireless, RF SAW Filter
Revision 0: August 2011



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

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□ Electrical Characteristics

Maximum Ratings

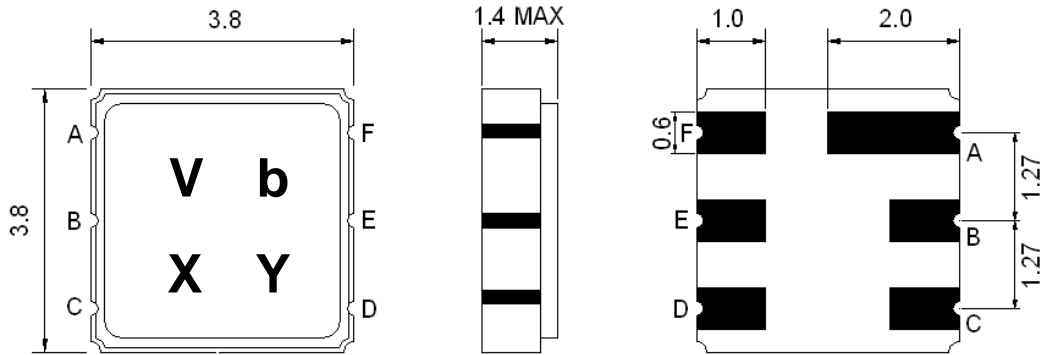
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	P			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	320.0	-
Insertion Loss within 311.5 ~ 328.5 MHz	dB	-	2.5	4.0
Amplitude Ripple within 311.5 ~ 328.5 MHz	dB	-	1.2	2.8
Attenuation				
D.C. ~ 290.0 MHz	dB	45	50	-
290.0 ~ 300.0 MHz	dB	20	29	-
345.0 ~ 360.0 MHz	dB	20	27	-
360.0 ~ 390.0 MHz	dB	35	48	-
390.0 ~ 650.0 MHz	dB	32	38	-

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

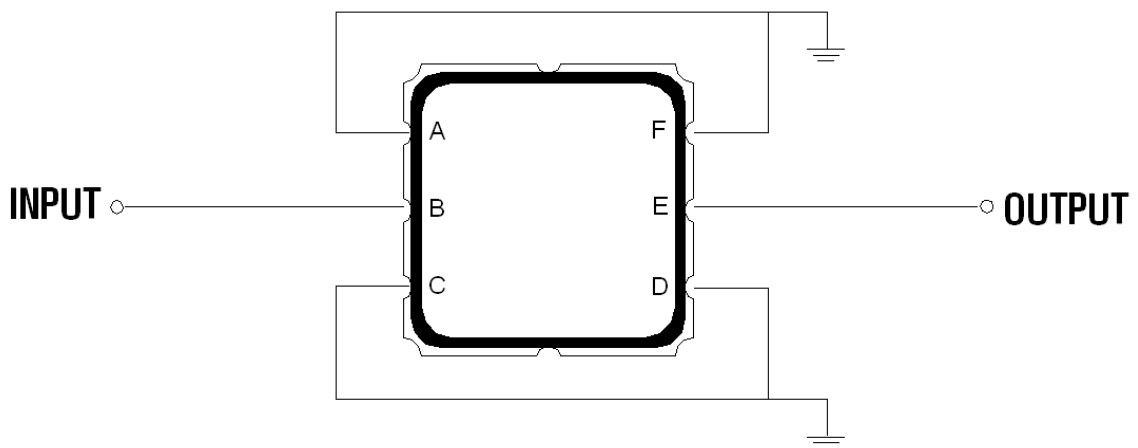
Package Dimensions



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

Pin Description	
A, C, D, F	Ground
B	Input
E	Output

Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

