



Total Solution Provider in Saw Device

SA246AK

Low-Loss, RF SAW Filter

Revision 0: July 2004



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

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□ Electrical Characteristics

Maximum Ratings

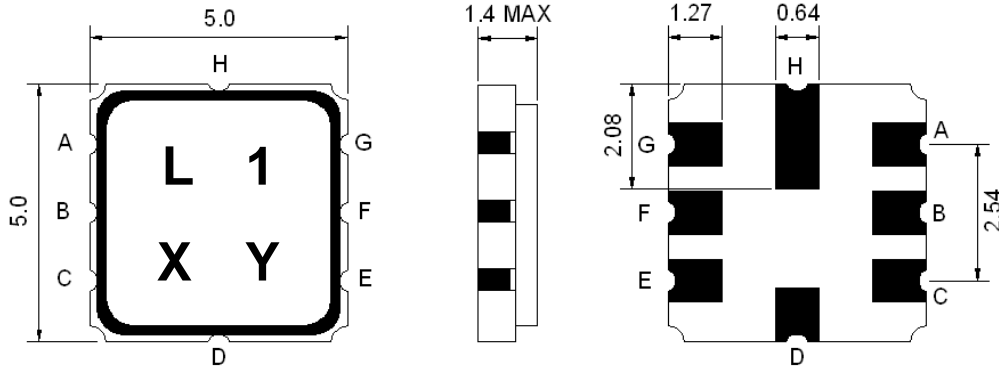
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	0
Source Impedance (Balanced ended) ⁽¹⁾	Ω	-	200	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	K			
Length x Width	mm ²	-	5.0 x 5.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	246.0	-
Maximum Insertion Loss in 245.5 ~246.5 MHz	dB	-	1.5	2.5
Amplitude Ripple in 245.5 ~ 246.5 MHz	dB	-	0.2	0.4
Group Delay Ripple in 245.5 ~246.5 MHz	ns	-	15	50
Stop Band Attenuation:				
100.0 ~ 226.0 MHz	dB	40	60	-
226.0 ~ 236.0 MHz	dB	7	48	-
256.0 ~ 266.0 MHz	dB	7	25	-
266.0 ~ 268.0 MHz	dB	25	40	-
268.0 ~ 500.0 MHz	dB	35	40	-

Notes : (1) No Matching Network

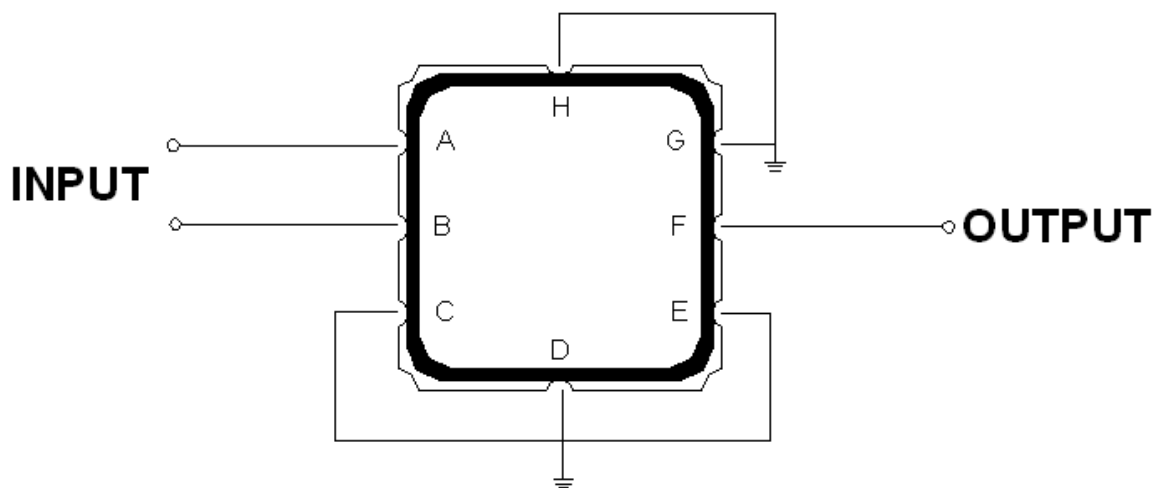
Package Dimensions



Marking Descriptions	
L	Wireless Application
1	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

Testing Environment



Source Impedance: 200 Ω

Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

