



Total Solution Provider in Saw Device

SA1590DM

Wireless, RF SAW Filter
Revision 0: November 2008



- Electrical Characteristics
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 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

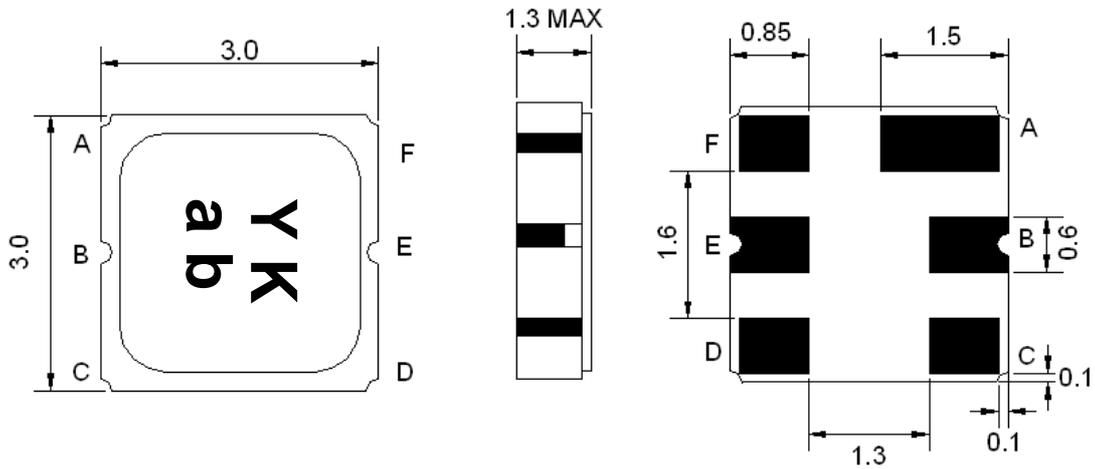
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-55	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1590.0	-
Minimum Insertion Loss within 1570.0 ~ 1610.0 MHz	dB	-	3.7	4.0
Amplitude Ripple within 1570.0 ~ 1610.0 MHz	dB _{p-p}	-	1.0	1.8
-1dB Bandwidth	MHz	-	40	45
-20dB Bandwidth	MHz	-	90	100
Ultimate Rejection	dB	45	50	-

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

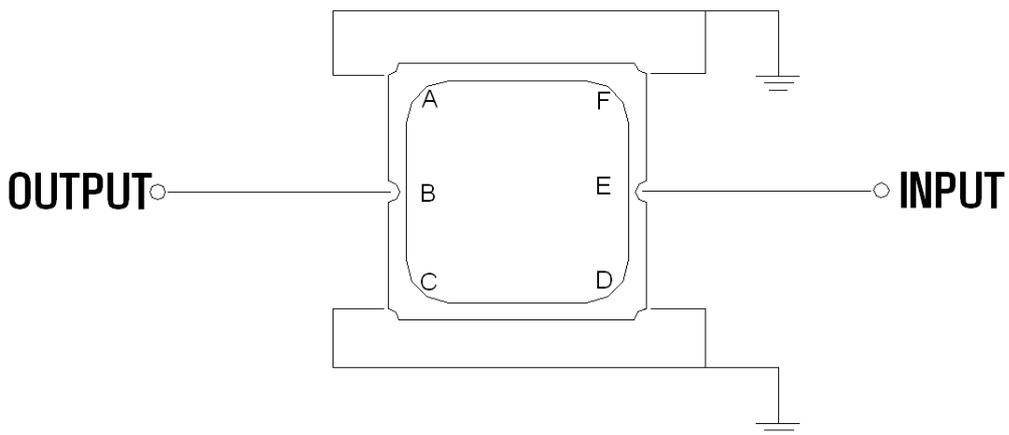
Package Dimensions



Marking Descriptions	
Y	Wireless Application
K	Series Number
a	Date Code(Year)
b	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

