



Total Solution Provider in Saw Device

SA1960CM3

US-PCS, Balanced RF-Rx SAW Filter
Revision 0: July 2007



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

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□ Electrical Characteristics

Maximum Ratings

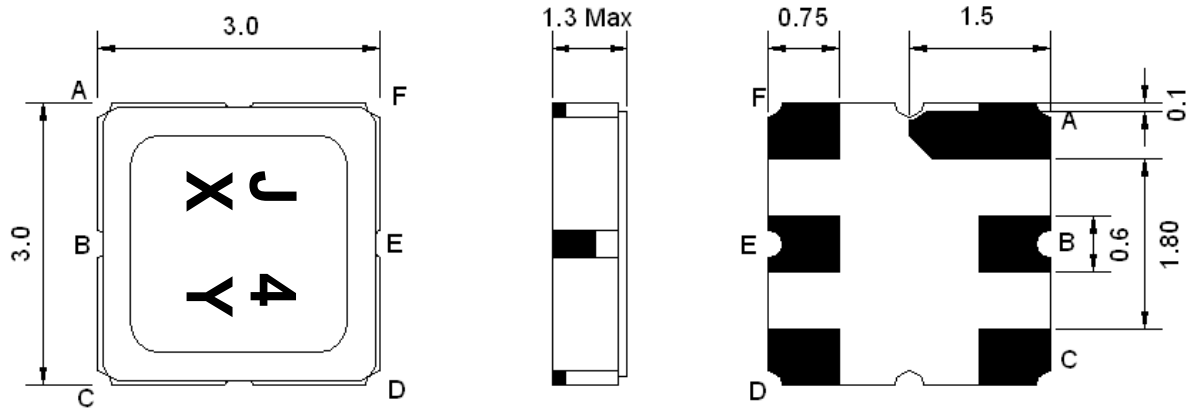
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced ended) ⁽¹⁾	Ω	-	50	-
Package type&size	M3			
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	-	1960.0	-
Insertion Loss within 1930.0 ~ 1990.0 MHz	dB	-	3.6	4.5
Amplitude Ripple within 1930.0 ~ 1990.0 MHz	dB _{p-p}	-	1.2	1.8
Attenuation:				
D.C. ~ 1000.0 MHz	dB	35	40	-
1000.0 ~ 1830.0 MHz	dB	35	40	-
1830.0 ~ 1850.0 MHz	dB	30	40	-
1850.0 ~ 1900.0 MHz	dB	10	18	-
1900.0 ~ 1910.0 MHz	dB	8	14	-
2020.0 ~ 2060.0 MHz	dB	20	26	-
2060.0 ~ 2200.0 MHz	dB	20	26	-
2200.0 ~ 2260.0 MHz	dB	30	38	-
2260.0 ~ 4500.0 MHz	dB	20	25	-
4500.0 ~ 6000.0 MHz	dB	15	25	-

Notes : (1) No Matching Network .

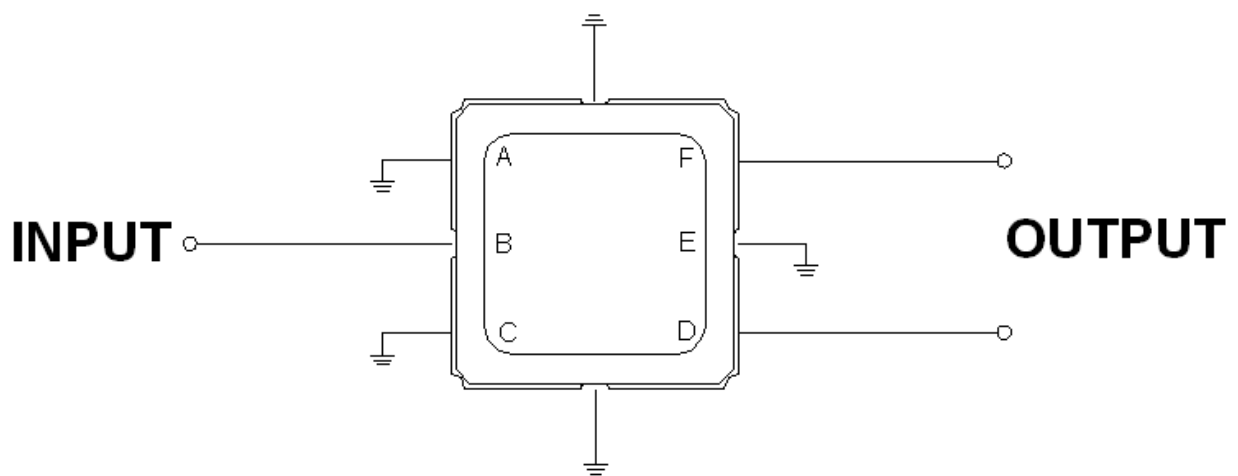
Package Dimensions



Marking Descriptions	
J	US-PCS Application
4	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

Testing Environment



Source Impedance: 50 Ω

Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

