

SF-091201-S27

ISM-Band, RF SAW Filter
Revision 0: March 2017



- ☐ Electrical Characteristics
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 - ☐ Testing Environment
 - ☐ Frequency Characteristics
-

□ Electrical Characteristics

Maximum Ratings

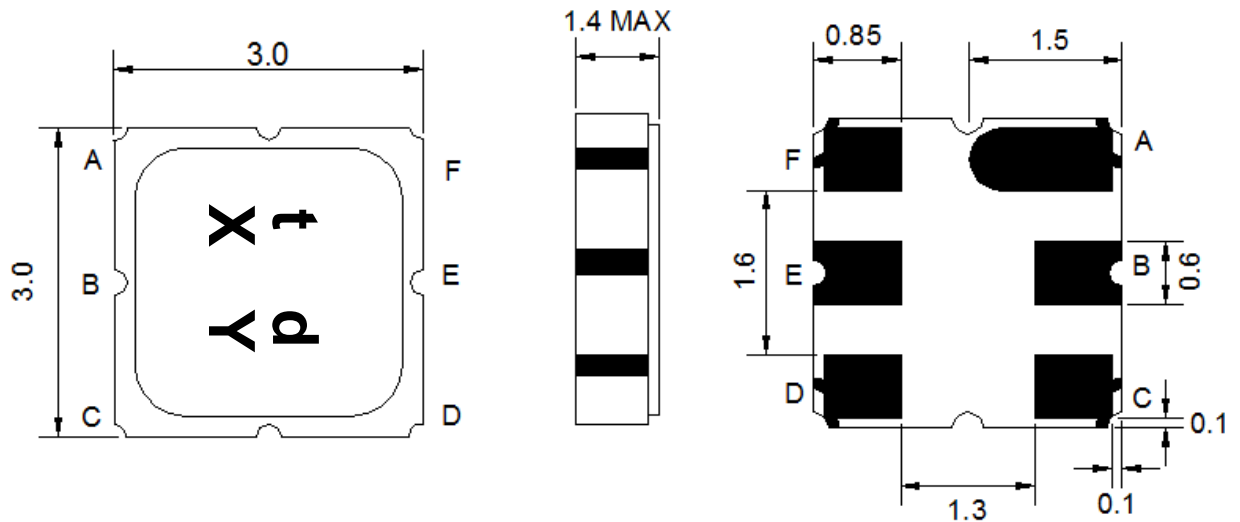
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+70
Storage Temperature Range	°C	-30	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency F_c	MHz	-	912.0	-
Insertion Loss (904 ~ 920 MHz) IL	dB	-	1.6	3.3
Amplitude Ripple (904 ~ 920 MHz)	dB	-	0.6	2.0
VSWR (904 ~ 920 MHz)		-	1.65	2.4
Relative Attenuation (relative to 0 dB)				
D.C. ~ 850.0 MHz	dB	22	35	-
930.0 ~ 940.0 MHz	dB	7	32	-
940.0 ~ 1500.0 MHz	dB	23	37.6	-

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

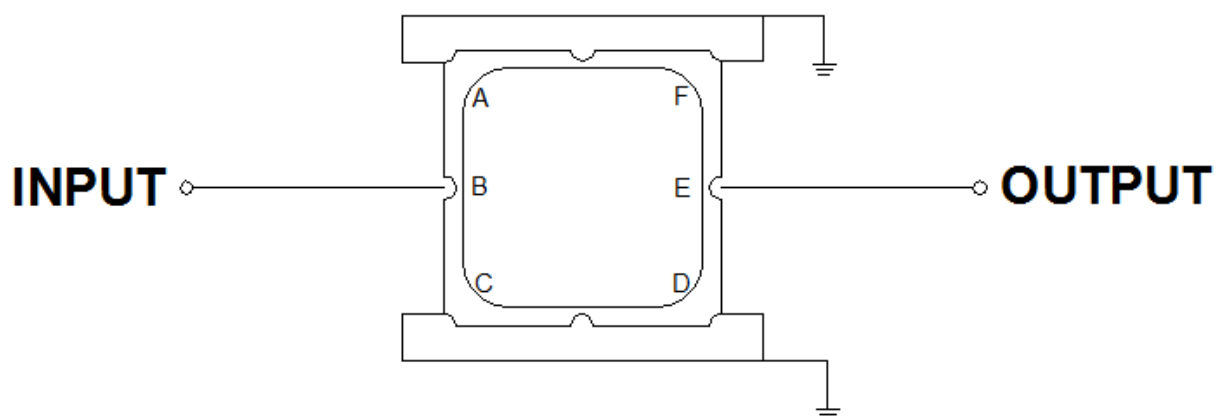
Package Dimensions



Marking Descriptions	
t	ISM-Band Application
d	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

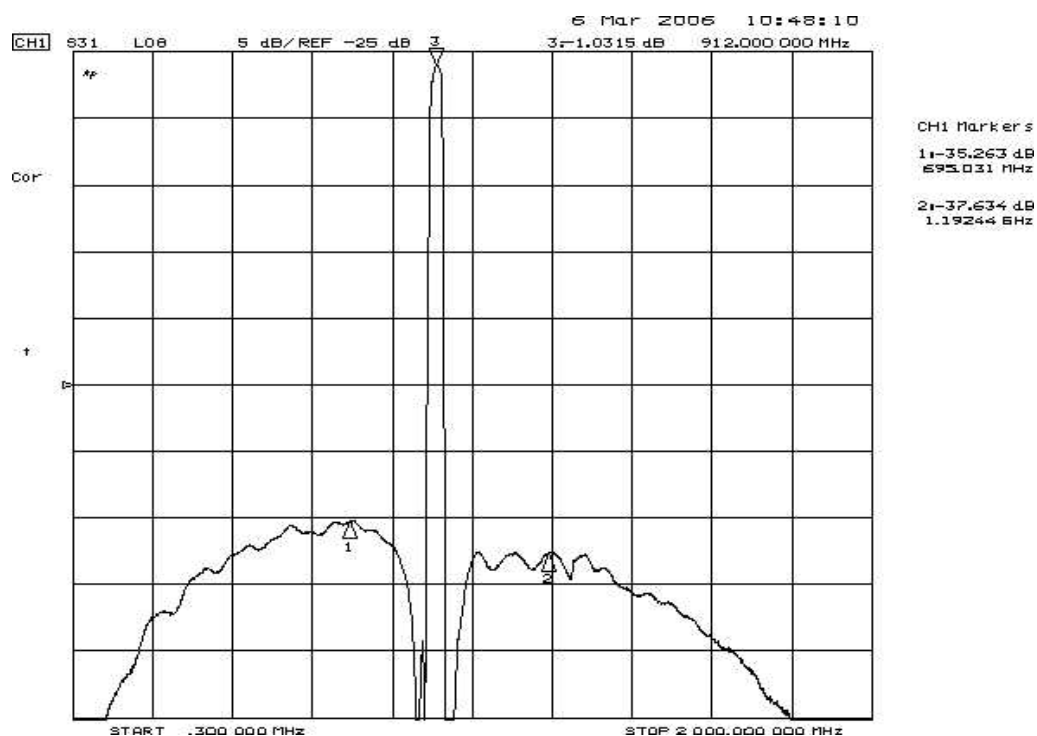
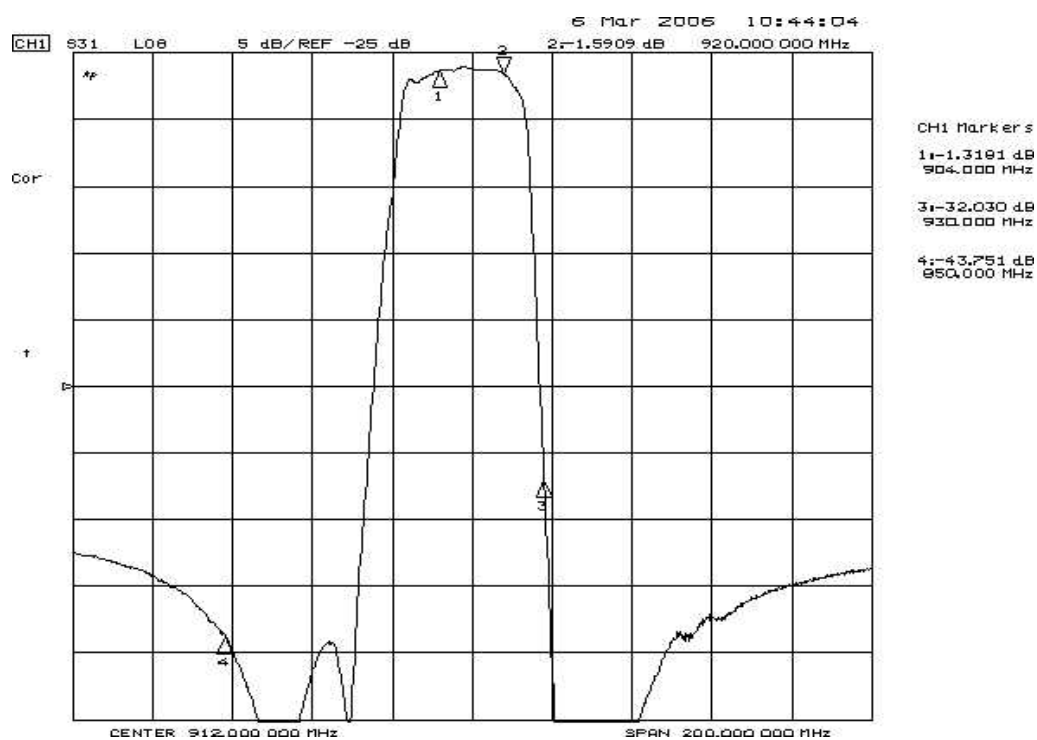
Testing Environment



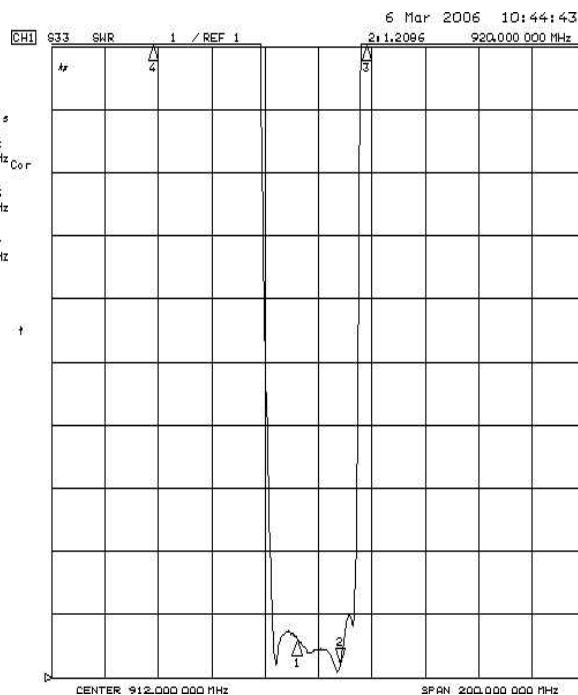
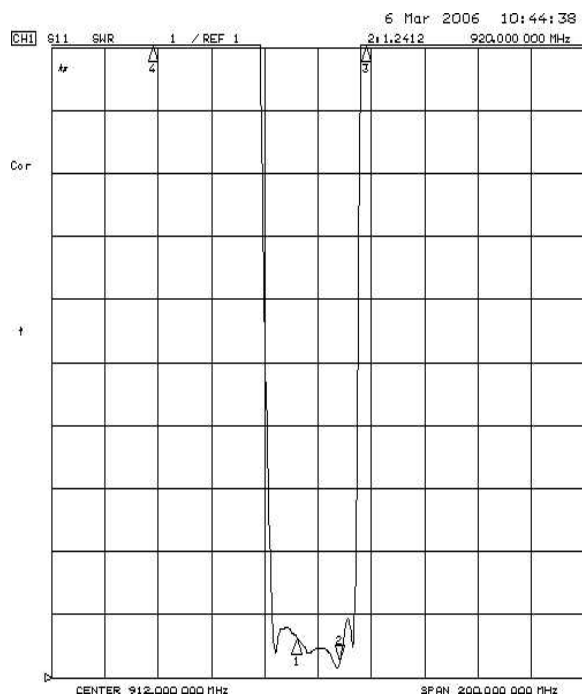
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

