

SF-091506-S27

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



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

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□ Electrical Characteristics

Maximum Ratings

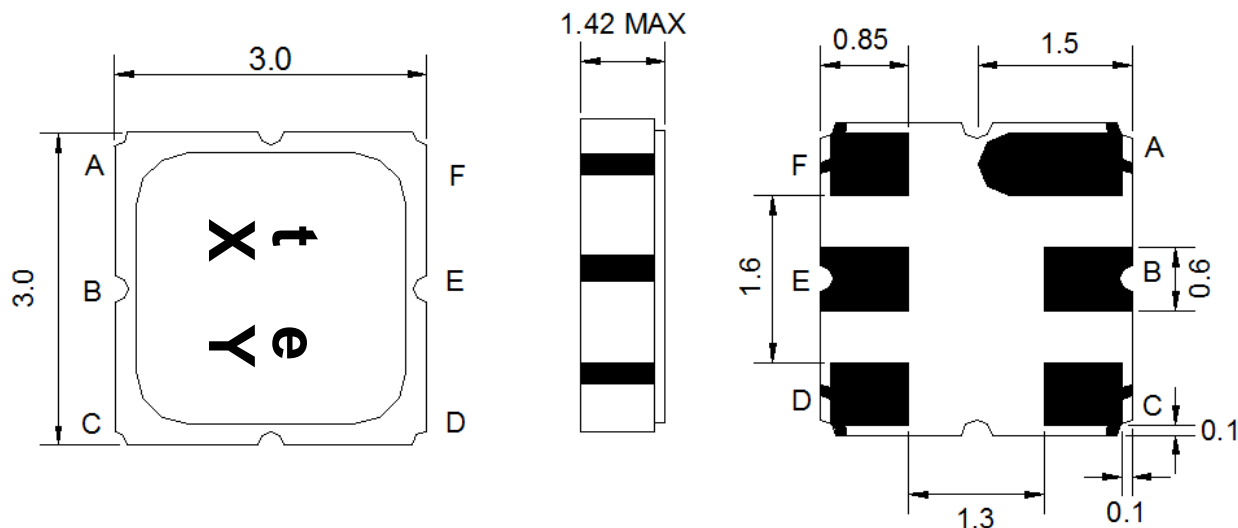
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.42

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	-	915.0	-
Insertion loss 902 ~ 928 MHz IL	dB	-	2.2	3.5
Amplitude ripple 902 ~ 928 MHz	dB _{p-p}	-	0.6	2.0
VSWR 902 ~ 928 MHz		-	1.6	2.3
Attenuation (Reference level from 0 dB)				
D.C ~ 800.0 MHz	dB	50	63	-
800.0 ~ 880.0 MHz	dB	40	48	-
960.0 ~ 1080.0 MHz	dB	32	39	-
1080.0 ~ 1500.0 MHz	dB	45	65	-
1500.0 ~ 3000.0 MHz	dB	22	28	-

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

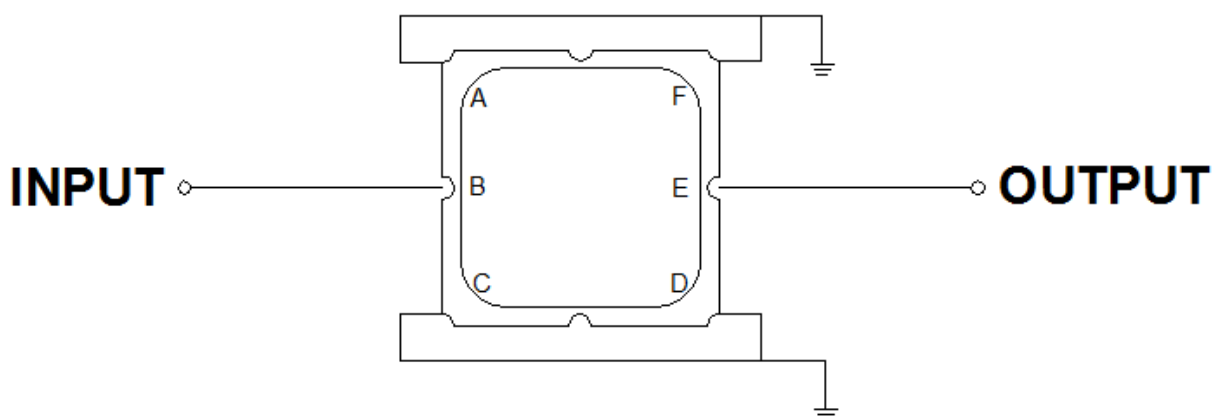
Package Dimensions



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

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

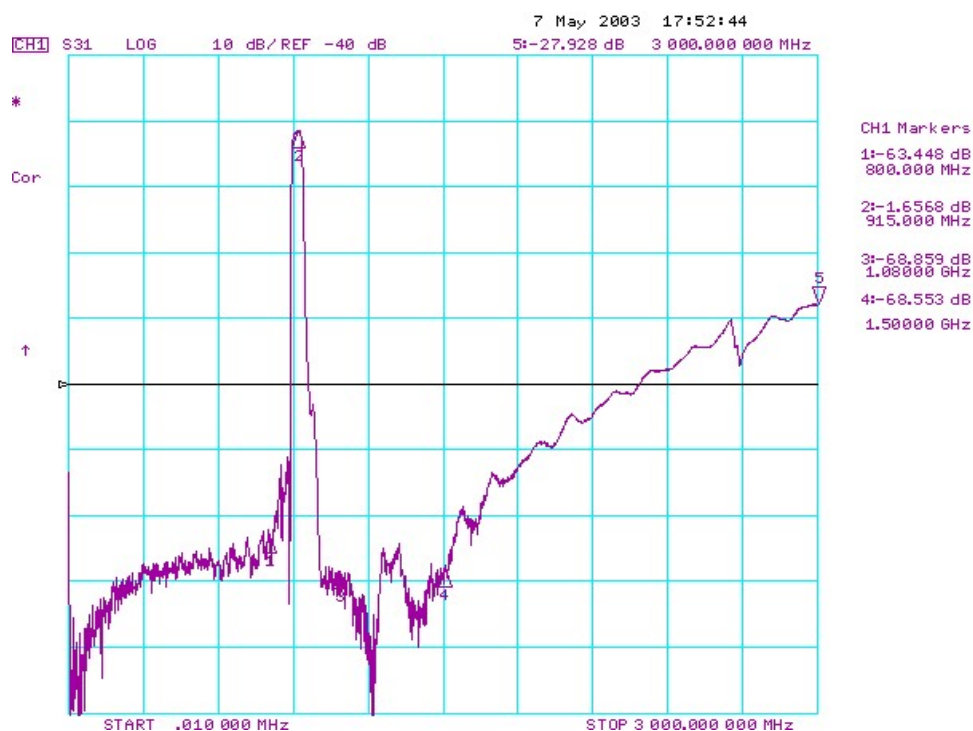
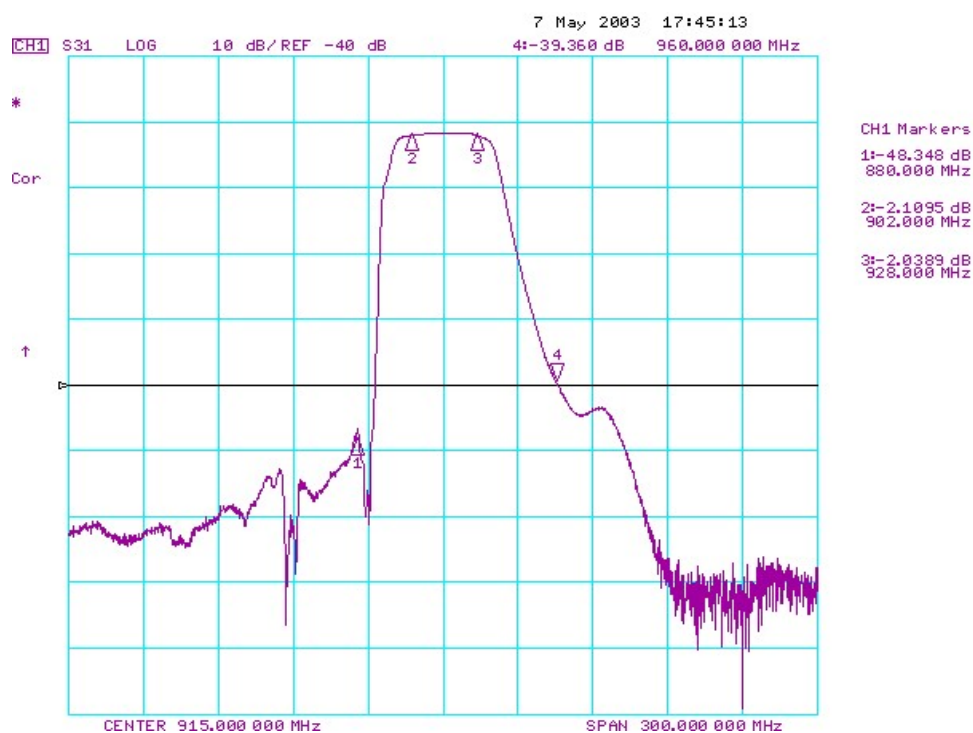
Testing Environment



Source & Load Impedance: 50 Ω

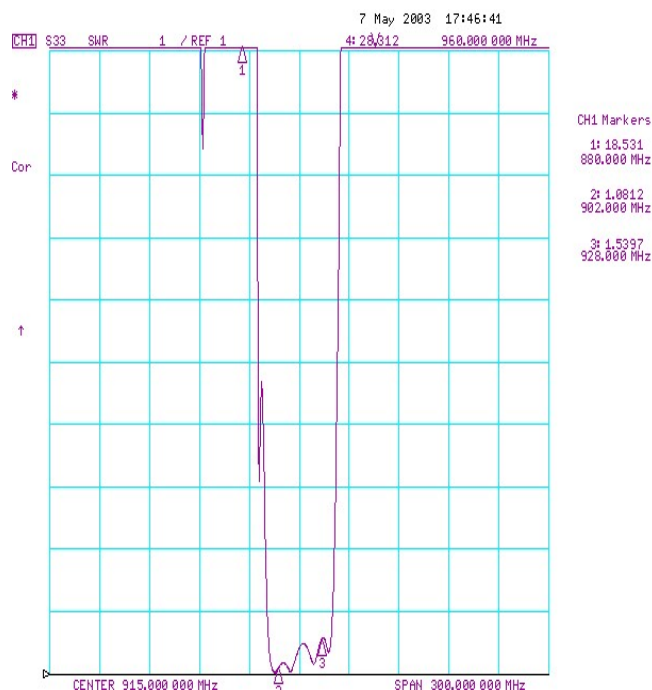
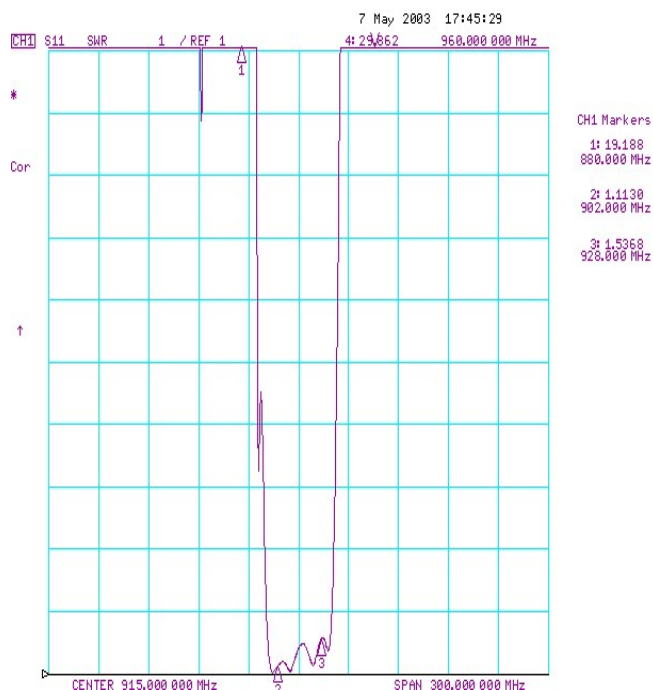
Frequency Characteristics

Frequency Response





VSWR



Smith Chart

