

SF-031505-S27

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



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

□ Electrical Characteristics

Maximum Ratings

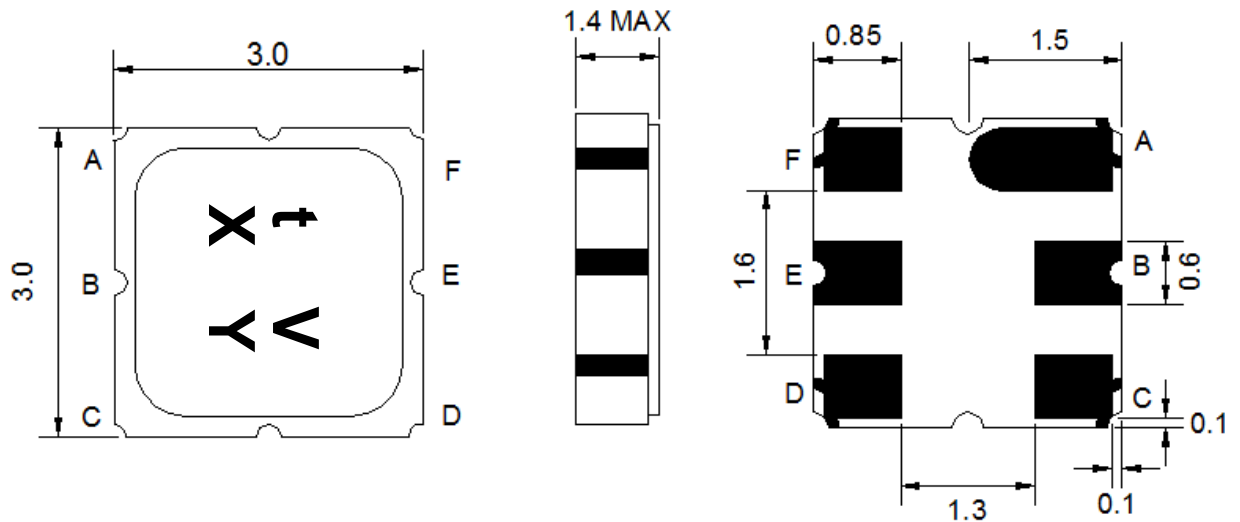
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	-	315.0	-
Insertion loss (314.5 ~ 315.5 MHz) IL	dB	-	1.6	2.5
Amplitude ripple (314.5 ~ 315.5 MHz)	dB	-	0.2	1.2
VSWR (314.5 ~ 315.5 MHz)	-	-	1.2	1.6
Attenuation (Reference level from Max IL dB)				
270.0 ~ 286.0 MHz	dB	55	61	-
293.0 ~ 293.9 MHz	dB	53	66	-
304.0 ~ 304.6 MHz	dB	48	66	-
325.4 ~ 326.0 MHz	dB	24	29	-
336.1 ~ 337.0 MHz	dB	36	50	-
357.5 ~ 358.7 MHz	dB	50	60	-

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

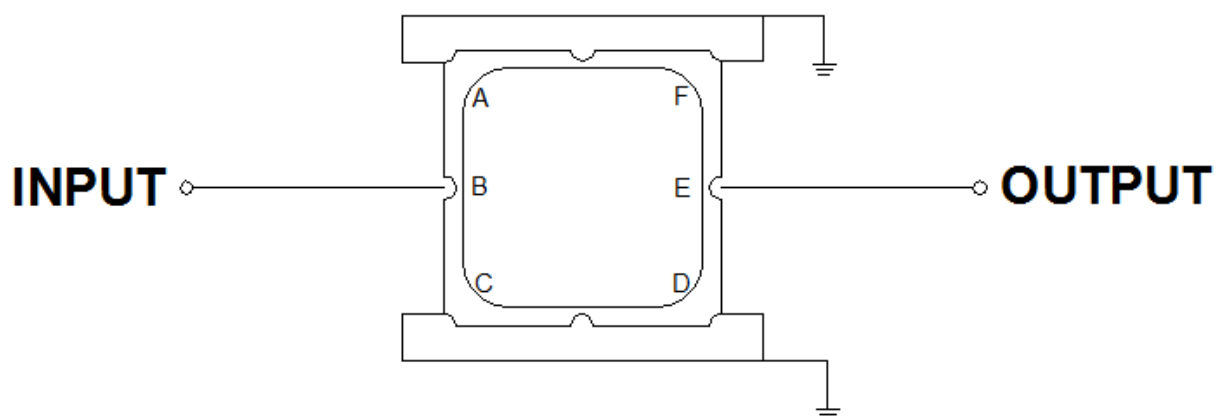
Package Dimensions



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

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

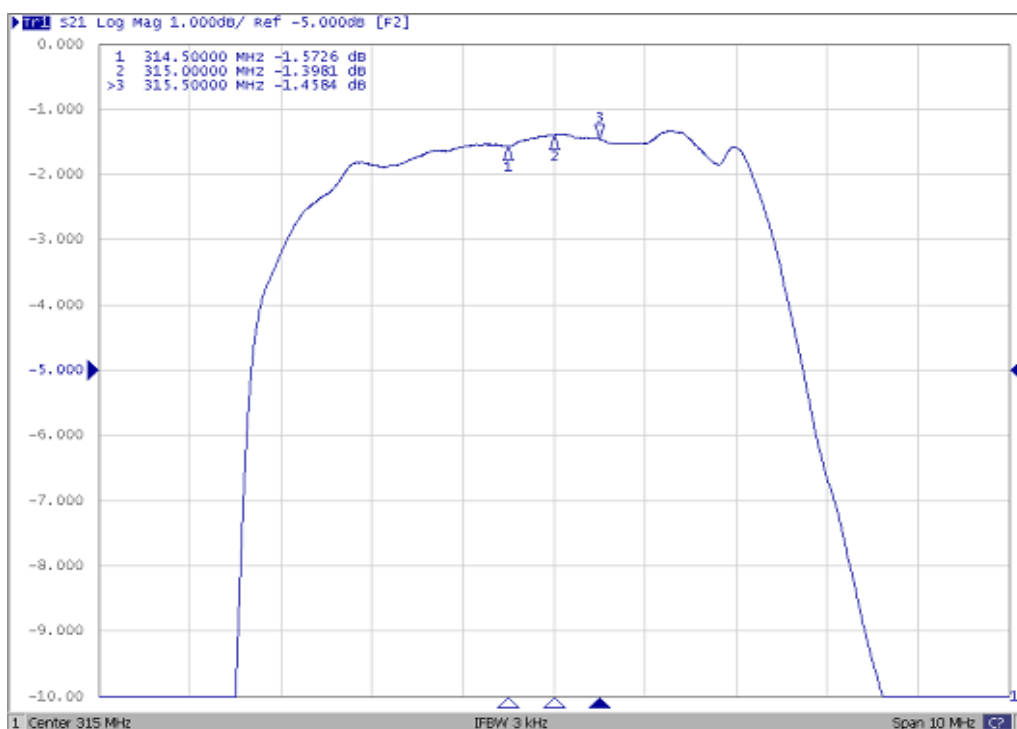
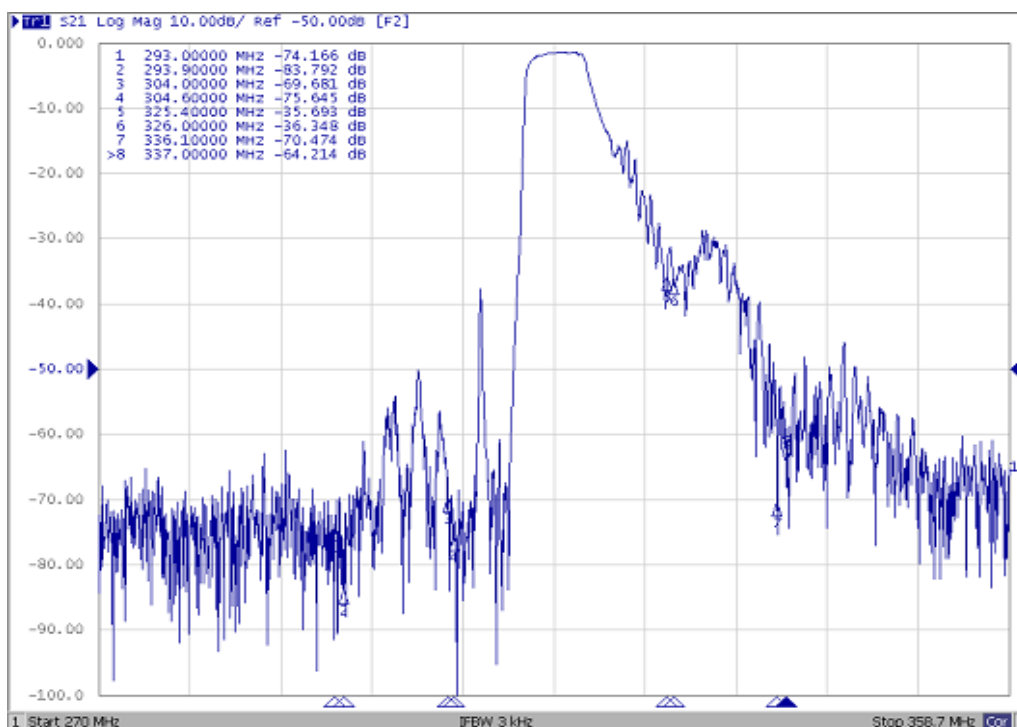
Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





VSWR

