

SF-354001-S27

Band42, RF SAW Filter

Revision 0: February, 2019



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

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Revision History

[illegible]



□ Electrical Characteristics

Maximum Ratings

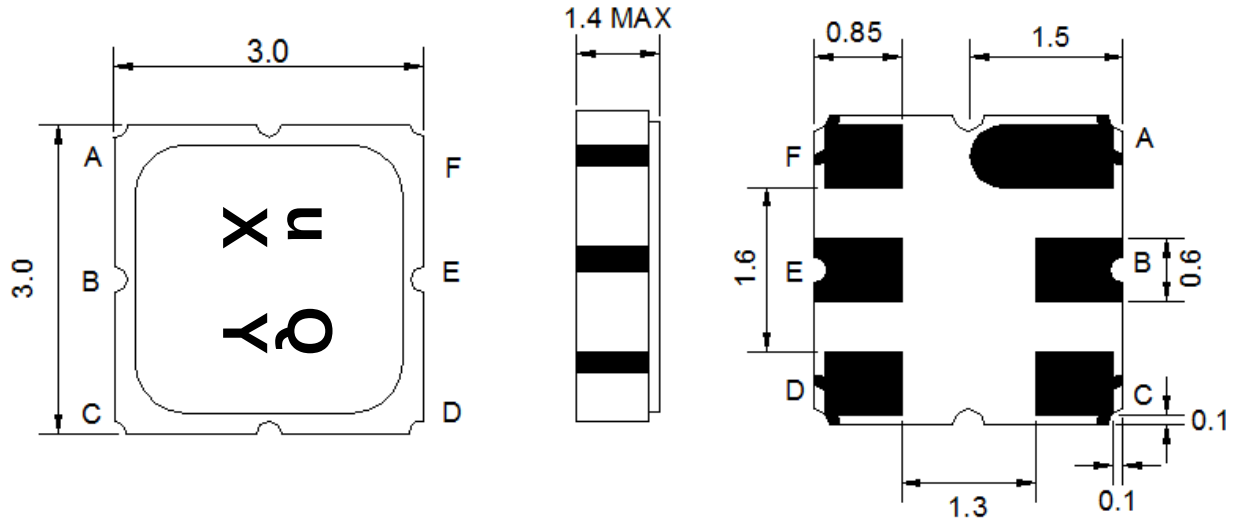
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+95
Storage Temperature Range	°C	-40	-	+95
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	23 dbm, 2h, 95°C		
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	3540.0	-
Insertion Loss within 3480.0 ~ 3600.0 MHz	dB	-	3.6	4.6
Amplitude Ripple within 3480.0 ~ 3600.0 MHz	dB _{p-p}	-	0.8	2.5
Amplitude Ripple within 3480.0 ~ 3600.0 MHz (over any 20MHz span)	dB _{p-p}	-	1.1	1.8
Group Delay Variation within 3480.0 ~ 3600.0 MHz	ns _{p-p}	-	5	20
Absolute Group Delay within 3480.0 ~ 3600.0 MHz	ns	-	5	15
Attenuation (Reference level from 0dB)				
10.0 ~ 2000.0 MHz	dB	27	29	-
2000.0 ~ 3019.0 MHz	dB	20	29	-
3019.0 ~ 3233.0 MHz	dB	22	35	-
3233.0 ~ 3380.0 MHz	dB	10	36	-
3680.0 ~ 3700.0 MHz	dB	8	47	-
3700.0 ~ 3847.0 MHz	dB	15	41	-
3847.0 ~ 3908.0 MHz	dB	20	40	-
3908.0 ~ 5350.0 MHz	dB	15	37	-
5350.0 ~ 5500.0 MHz	dB	10	35	-
VSWR within 3480.0 ~ 3600.0 MHz	-	-	1.9	2.4
Temperature Coefficient	ppm/°C	-	-36	-

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

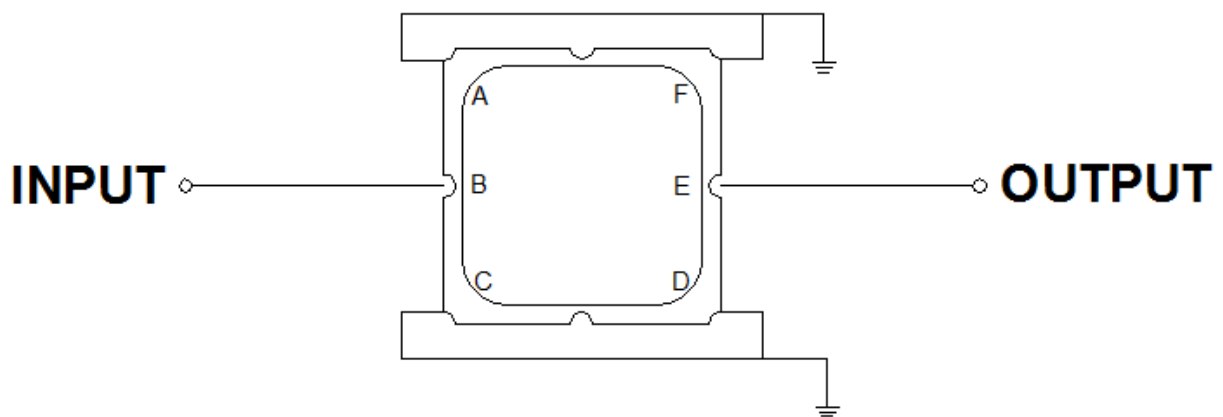
Package Dimensions



Marking Descriptions	
u	Wireless Application
Q	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

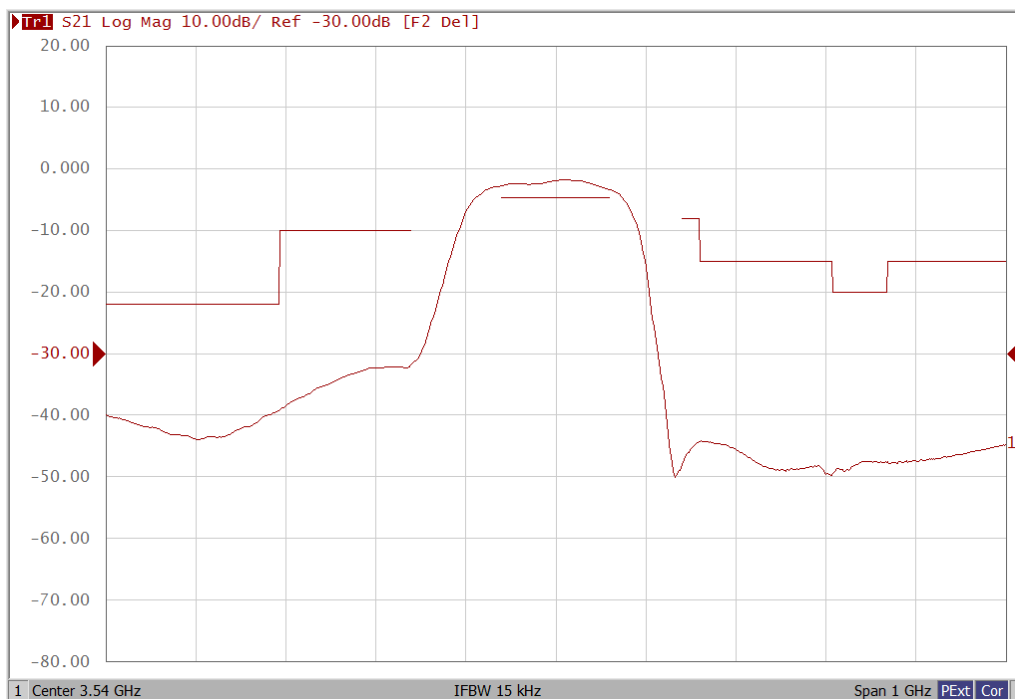
Testing Environment



Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response





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Data Sheet(Rev 0)

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VSWR



Smith Chart

