

SF-370001-S27

Band43, RF SAW Filter
Revision 0: June 2018



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

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□ Electrical Characteristics

Maximum Ratings

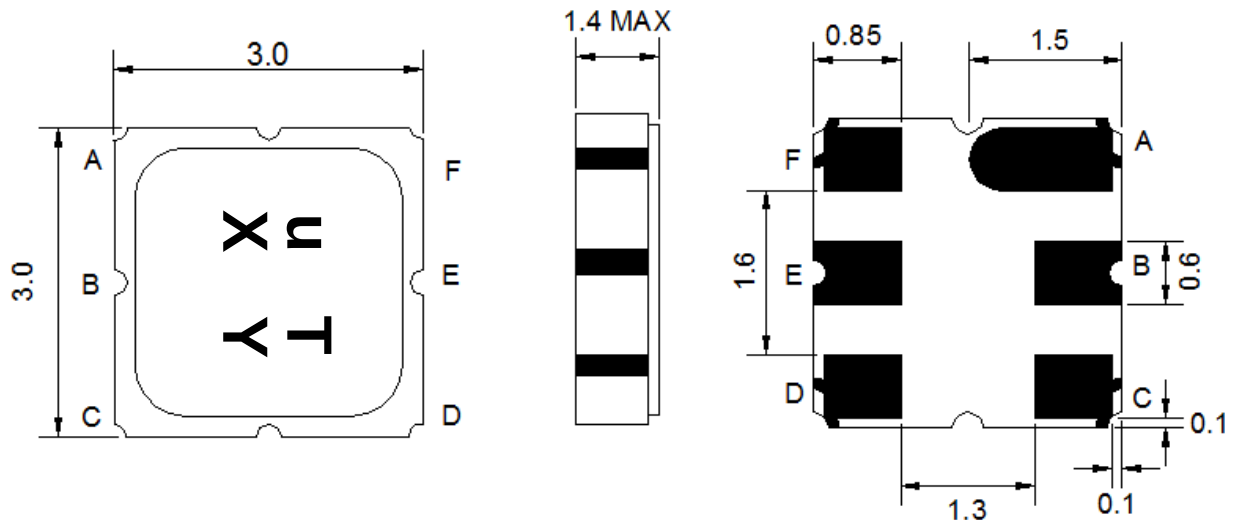
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+105
Storage Temperature Range	°C	-40	-	+105
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	25 dbm, 2h, 95°C		
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency Fo	MHz	-	3700.0	-
Insertion Loss within 3600.0 ~ 3800.0 MHz	dB	-	4.7	5.5
Amplitude Ripple within 3600.0 ~ 3800.0 MHz	dB _{p-p}	-	0.7	35
Group Delay Variation within 3600.0 ~ 3800.0 MHz	ns _{p-p}	-	1	15
Group Delay at Fo	ns	-	2	30
Attenuation (Reference level from 0dB)				
10.0 ~ 2550.0 MHz	dB	20	27	-
2550.0 ~ 2690.0 MHz	dB	25	27	-
2690.0 ~ 3000.0 MHz	dB	20	27	-
3000.0 ~ 3400.0 MHz	dB	10	16	-
4000.0 ~ 4050.0 MHz	dB	10	42	-
4050.0 ~ 4400.0 MHz	dB	20	40	-
4400.0 ~ 5200.0 MHz	dB	5	31	-
5200.0 ~ 6000.0 MHz	dB	1	29	-
VSWR within 3600.0 ~ 3800.0 MHz	-	-	1.8	3.0
Temperature Coefficient	ppm/°C	-	-80	-

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

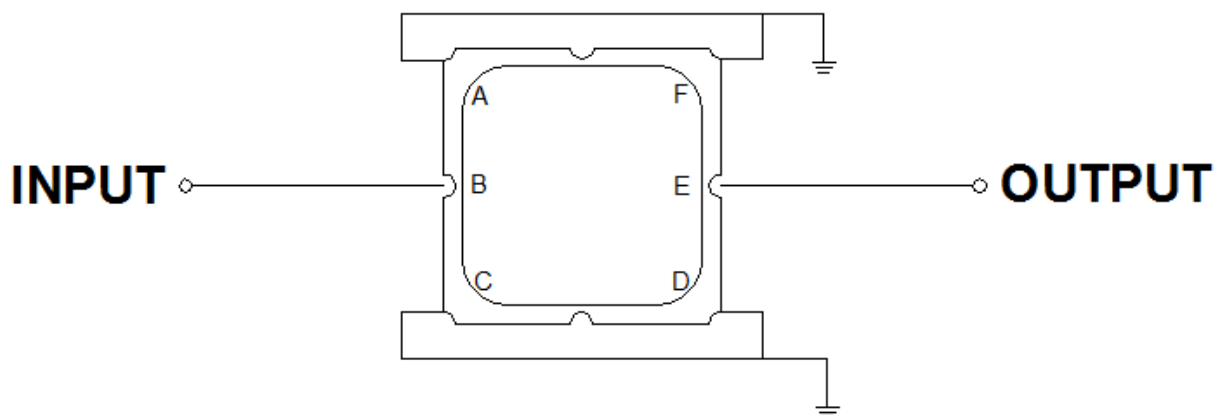
Package Dimensions



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

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

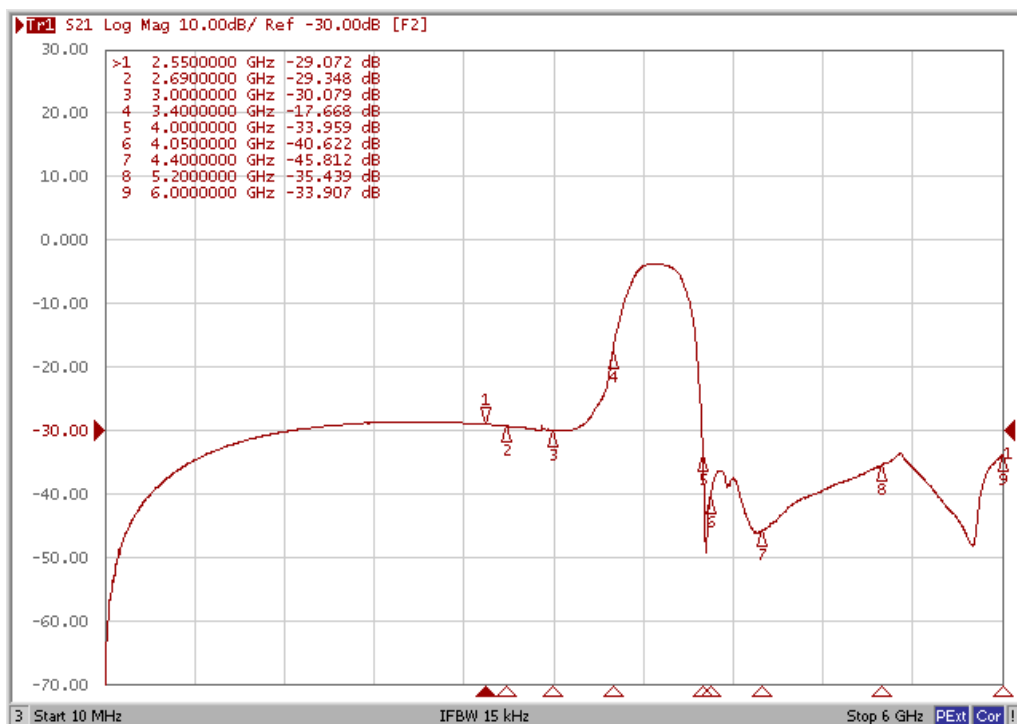
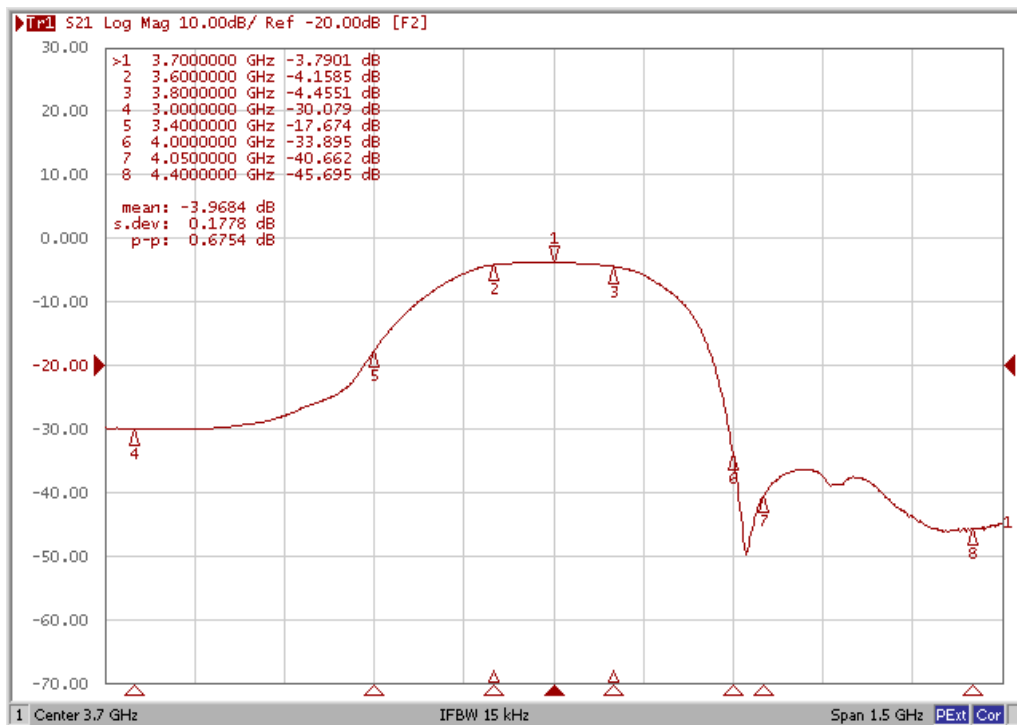
Testing Environment



Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response





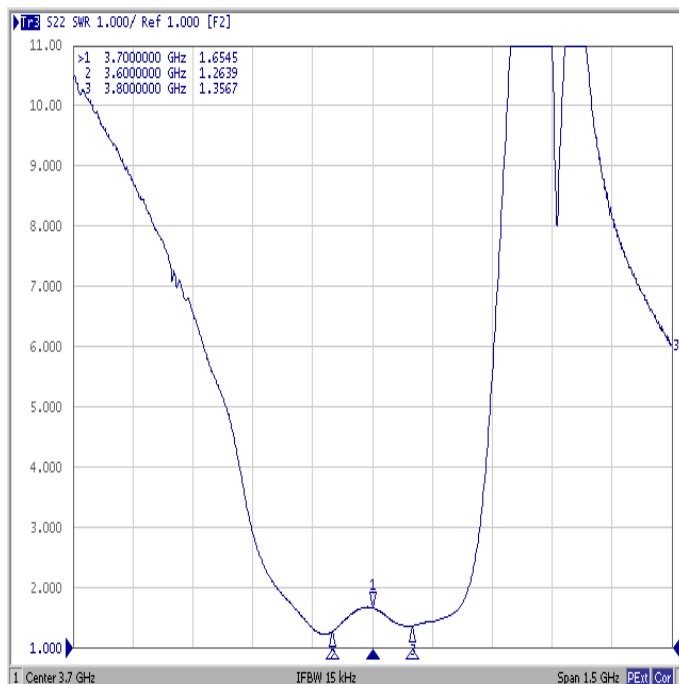
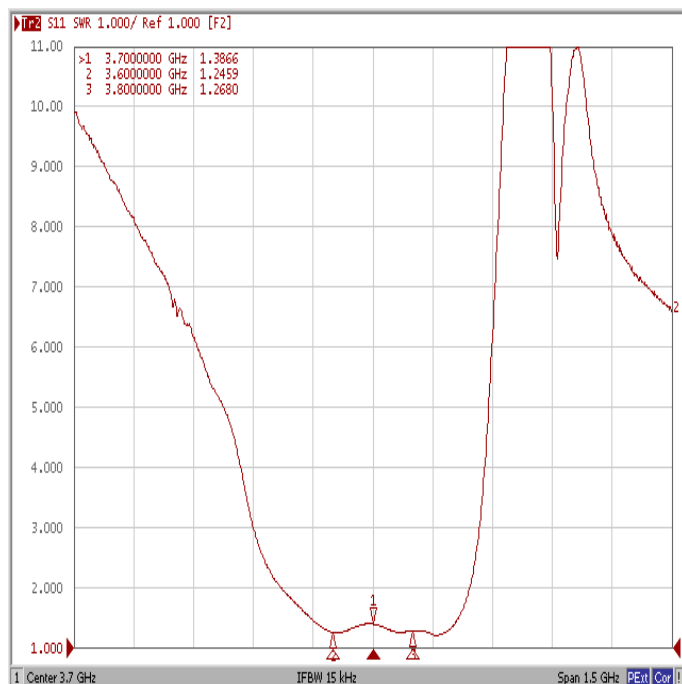
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Data Sheet(Rev 0)

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VSWR



Smith Chart

