



SK3700S

WLAN, RF SAW Filter
Revision 0: MAY 2015

MSD/MSL 3



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

□ Electrical Characteristics

Maximum Ratings

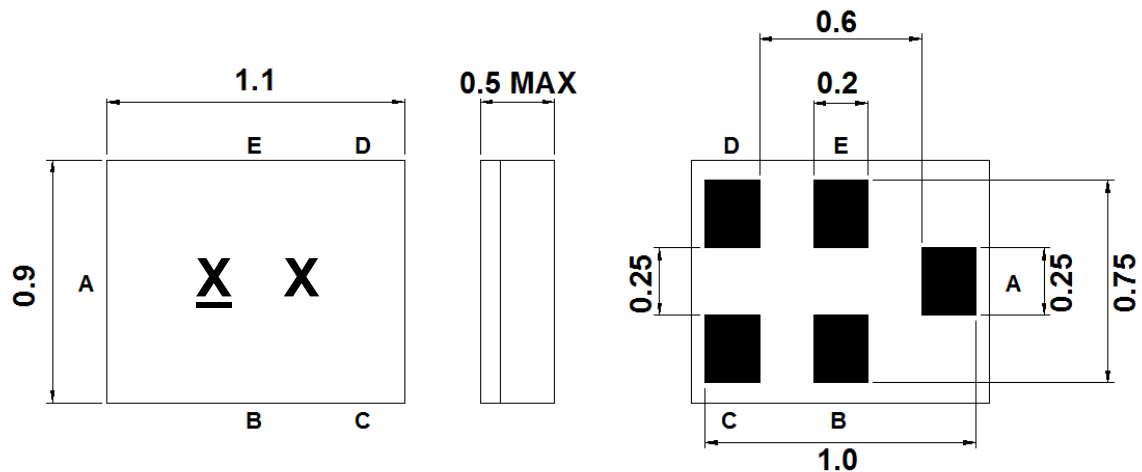
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	28
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	C12			
Length x Width	mm ²	-	1.1 x 0.9	-
Height	mm	-	-	0.5

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2450.0	-
Max.Insertion Loss within 2400.0~2500.0 MHz	dB	-	1.5	2.5
Amplitude Ripple within 2400.0~2500.0 MHz	dB _{p-p}	-	0.55	1.5
Attenuation:				
D.C ~ 960.0 MHz	dB	35	53	-
960.0 ~ 1570.0 MHz	dB	35	45	-
1570.0 ~ 1580.0 MHz	dB	35	45	-
1580.0 ~ 1710.0 MHz	dB	35	43	-
1710.0 ~ 1910.0 MHz	dB	33	38	-
1910.0 ~ 1980.0 MHz	dB	35	42	-
2110.0 ~ 2170.0 MHz	dB	28	32	-
2640.0 ~ 3000.0 MHz	dB	20	25	-
3000.0 ~ 4800.0 MHz	dB	15	20	-
4800.0 ~ 5000.0 MHz	dB	15	19	-
5000.0 ~ 6000.0 MHz	dB	15	18	-
VSWR within 2400.0~2500.0 MHz	-	-	1.9	2.3

Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

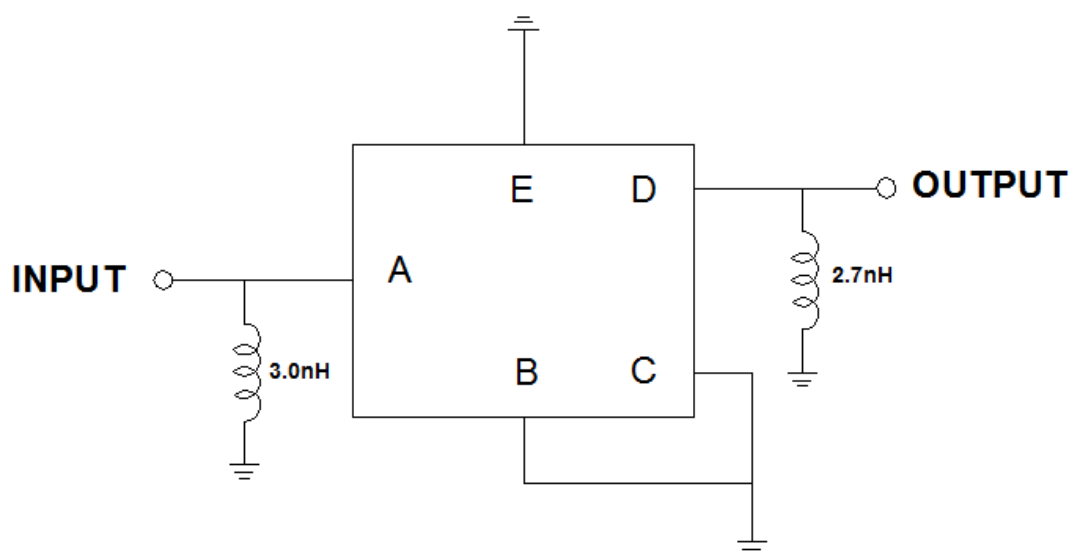
Package Dimensions



Marking Descriptions	
X	Series Number
X	Date Code(Year+Month)

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

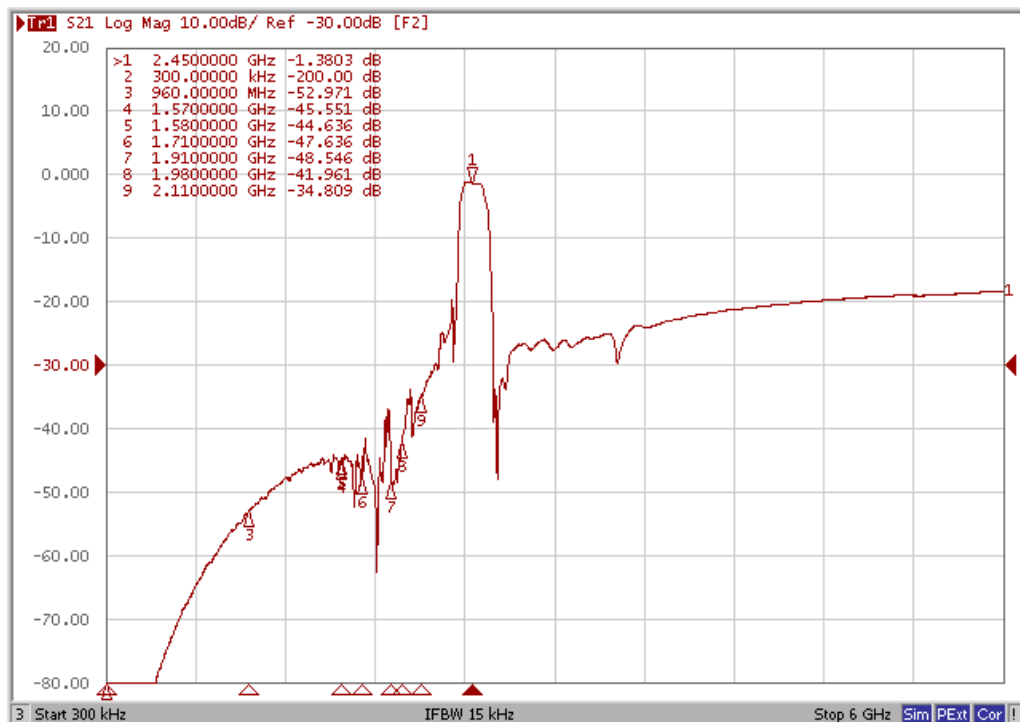
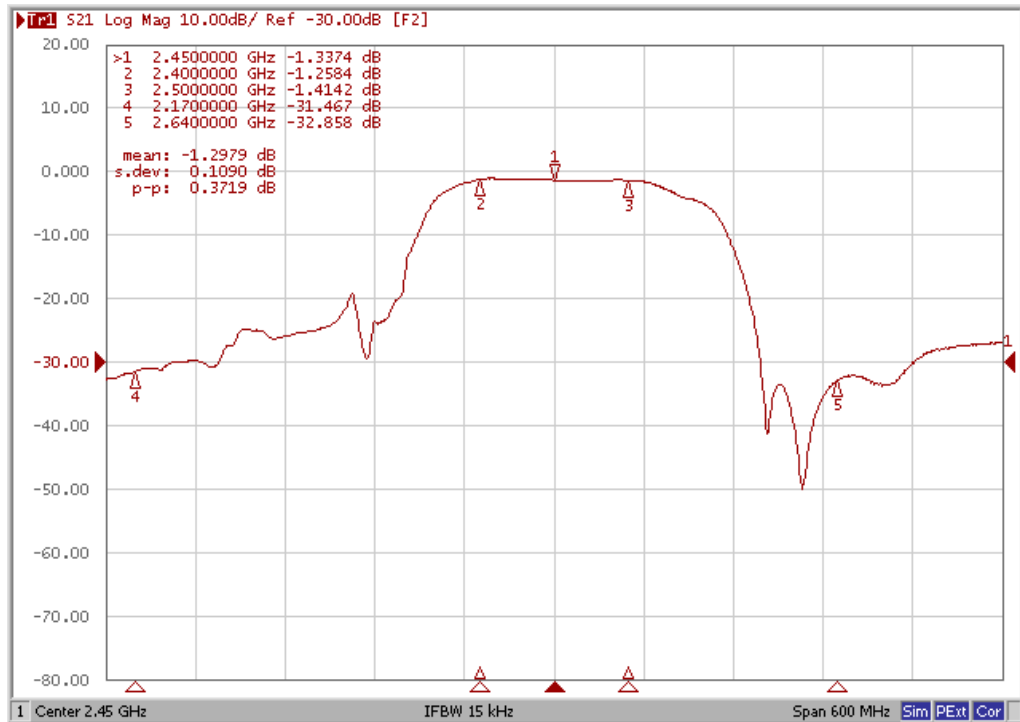
Testing Environment



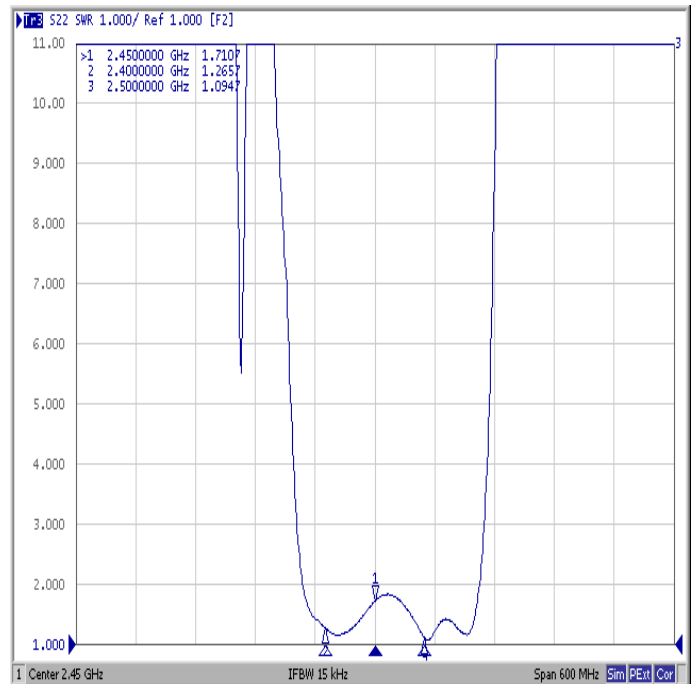
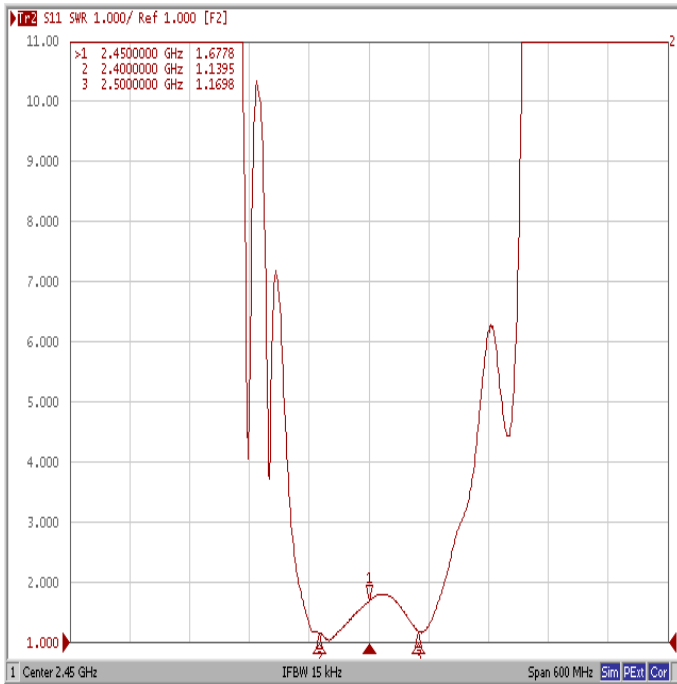
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

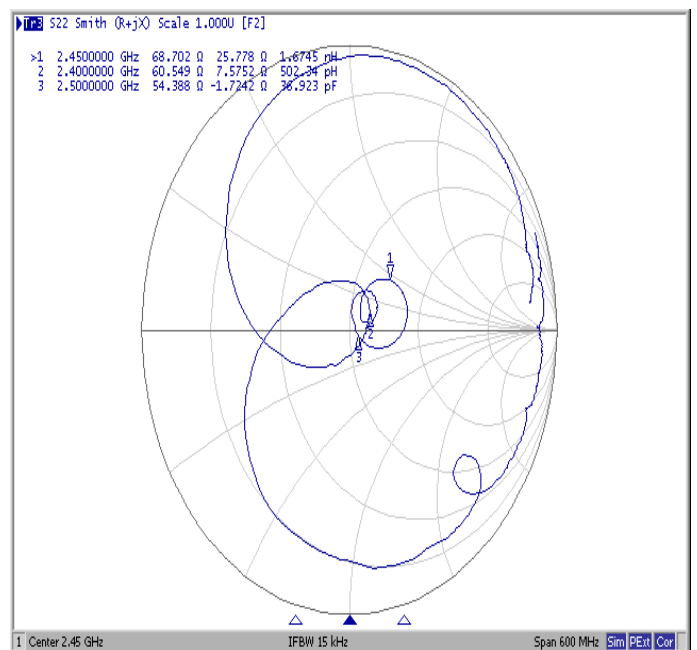
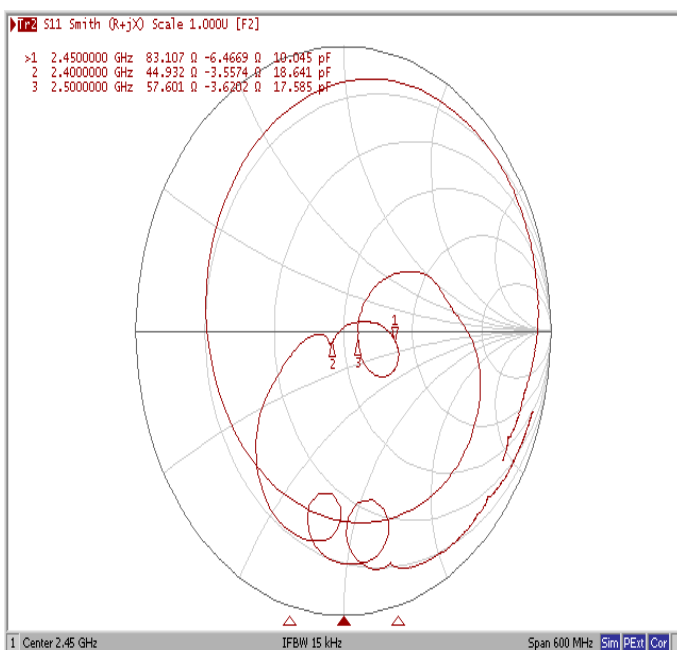
Frequency Response



VSWR



Smith Chart



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