



SK3030R

Band3, RF-Rx SAW Filter
Revision 0 : April 2016

MSL 3 Device



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

□ Electrical Characteristics

Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	10
Source Impedance (Unbalanced)	Ω	-	50//33nH	-
Load Impedance (Unbalanced)	Ω	-	50//12nH	-
Package type & size	C14			
Length x Width	mm ²	-	1.1 x 0.9	-
Height	mm	-	-	0.55

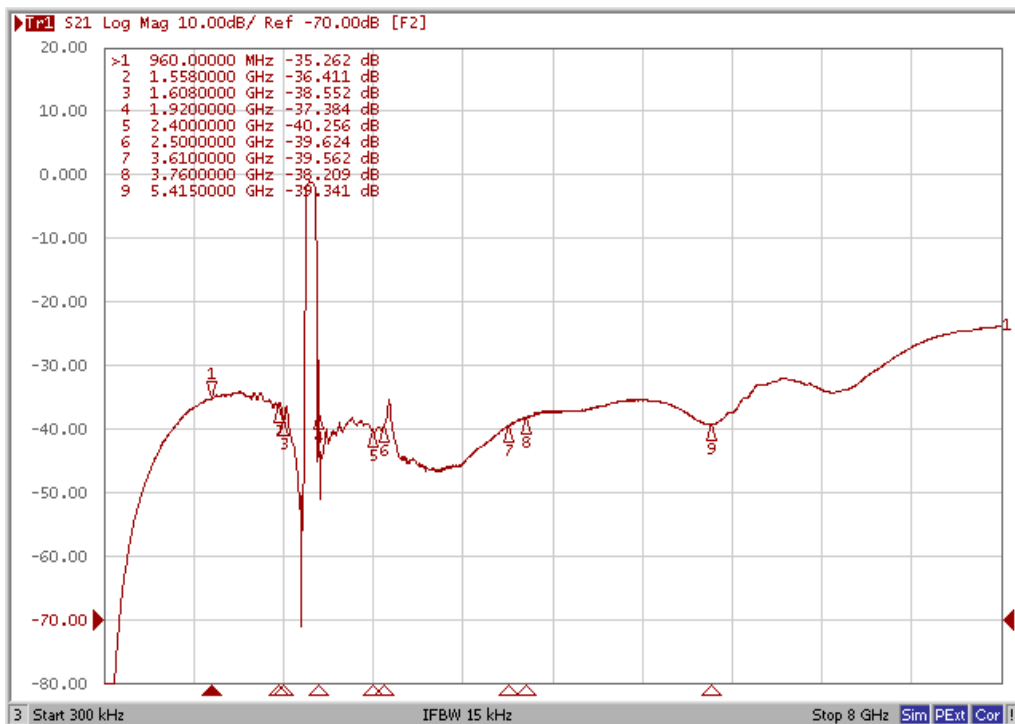
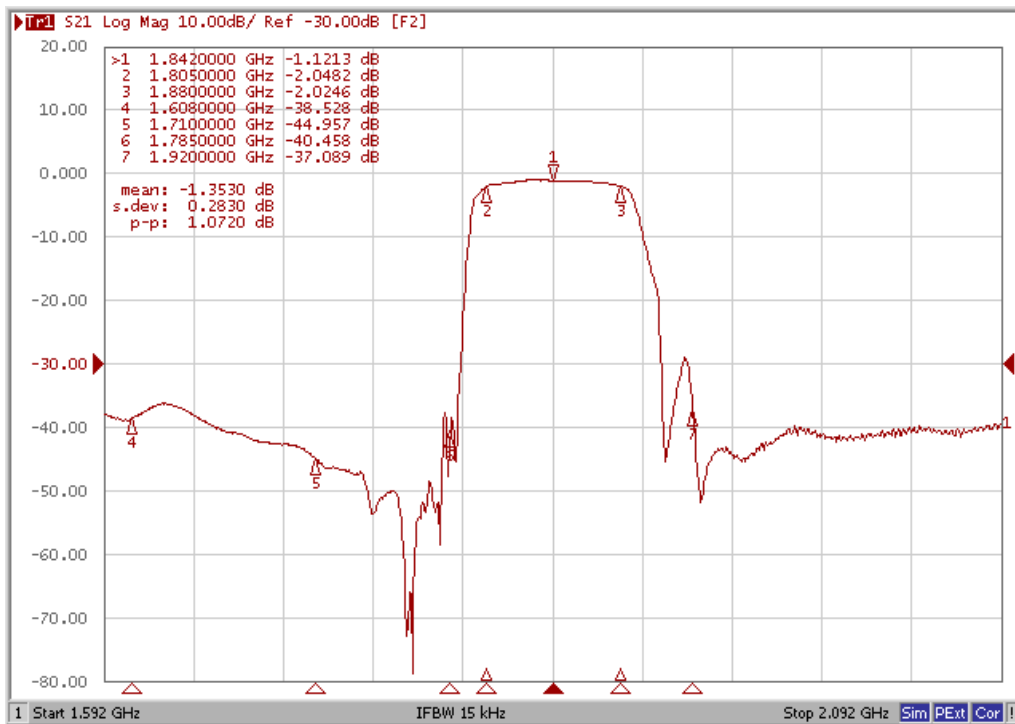
Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1842.0	-
Insertion Loss within 1805.0 ~ 1880.0 MHz	dB	-	2.0	4.0
Amplitude Ripple within 1805.0 ~ 1880.0 MHz	dB _{p-p}	-	1.0	3.3
Input VSWR within 1805.0 ~ 1880.0 MHz	-	-	1.7	2.3
Output VSWR within 1805.0 ~ 1880.0 MHz	-	-	1.6	2.2
D.C ~ 960.0 MHz	dB	32	35	-
1558.0 ~ 1608.0 MHz	dB	32	36	-
1710.0 ~ 1785.0 MHz	dB	34	38	-
1920.0 ~ 2400.0 MHz	dB	25	37	-
2400.0 ~ 2500.0 MHz	dB	33	39	-
2500.0 ~ 3610.0 MHz	dB	25	35	-
3610.0 ~ 3760.0 MHz	dB	25	38	-
3760.0 ~ 5415.0 MHz	dB	20	35	-
5415.0 ~ 5640.0 MHz	dB	20	36	-
5640.0 ~ 7220.0 MHz	dB	18	27	-
7220.0 ~ 7520.0 MHz	dB	16	25	-
7520.0 ~ 8000.0 MHz	dB	14	23	-

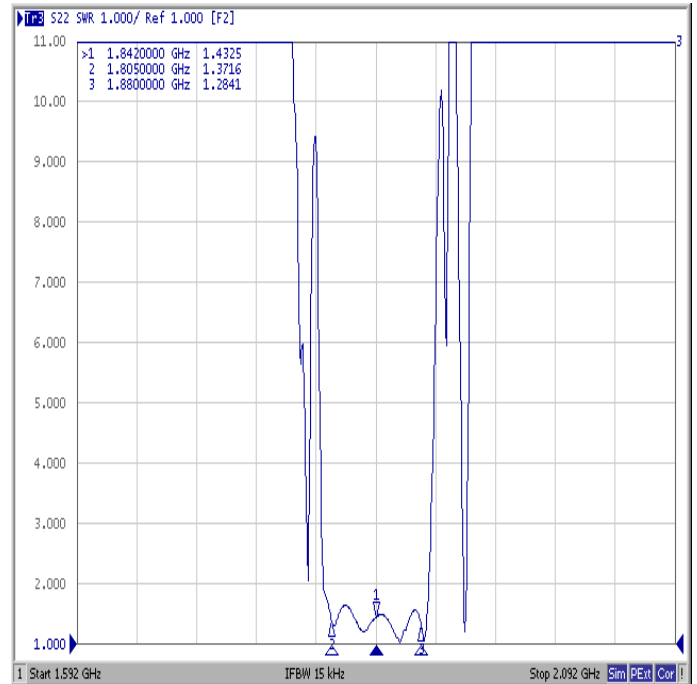
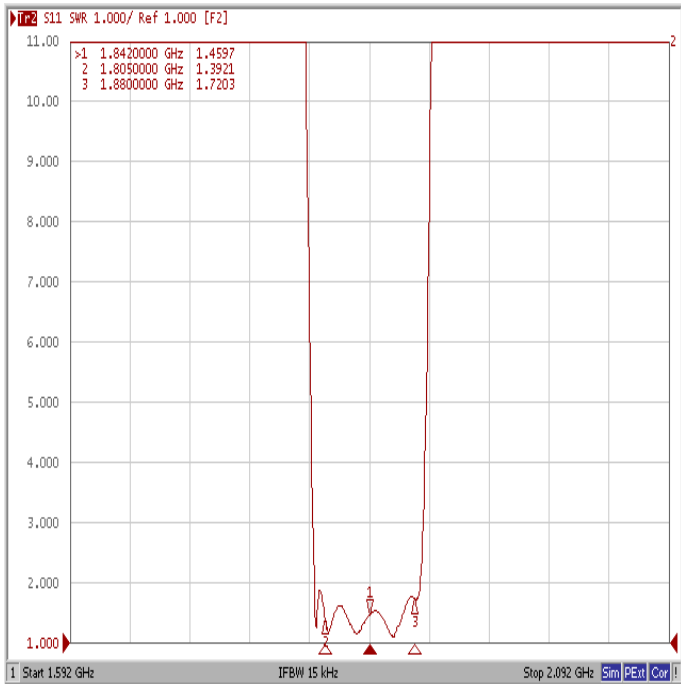
Notes : (1) With Matching Network .

□ Frequency Characteristics

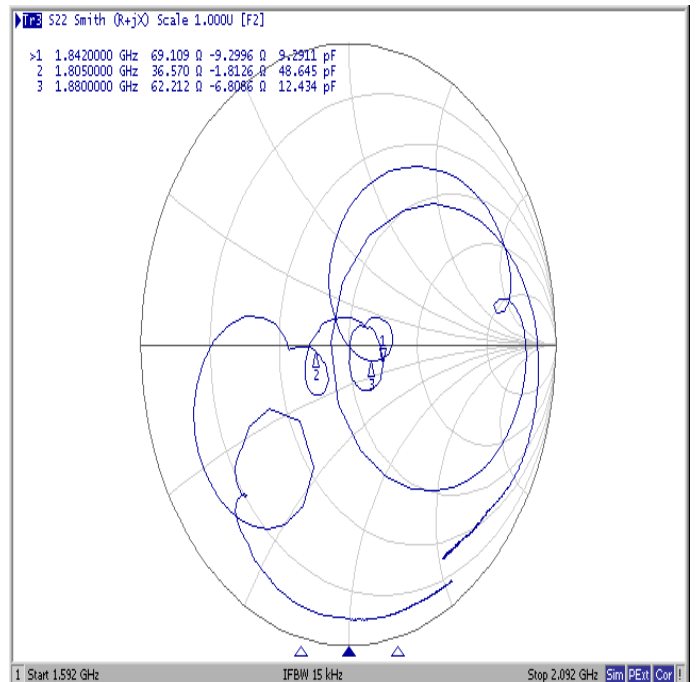
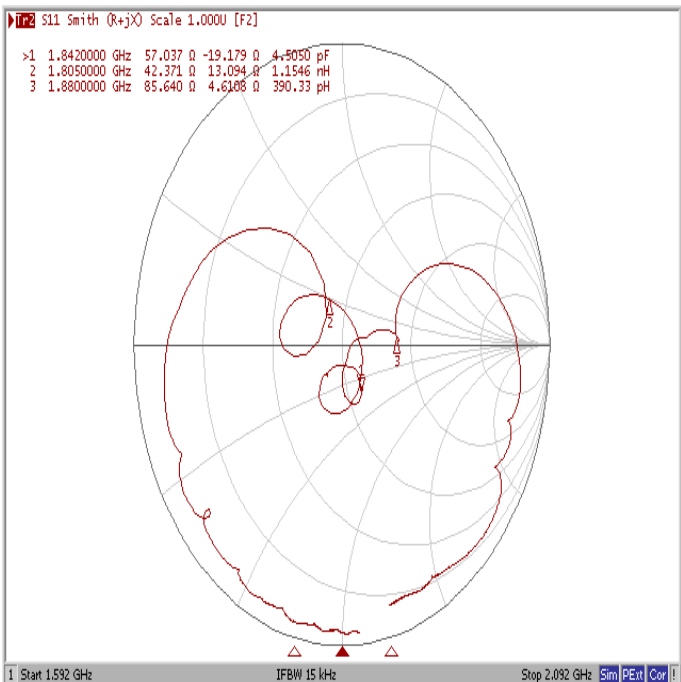
Frequency Response



VSWR



Smith Chart



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