



SK3050R

Band5, RF-Rx SAW Filter
Revision 0: April 2016

MSL 3 Device



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

□ Electrical Characteristics

Maximum Ratings

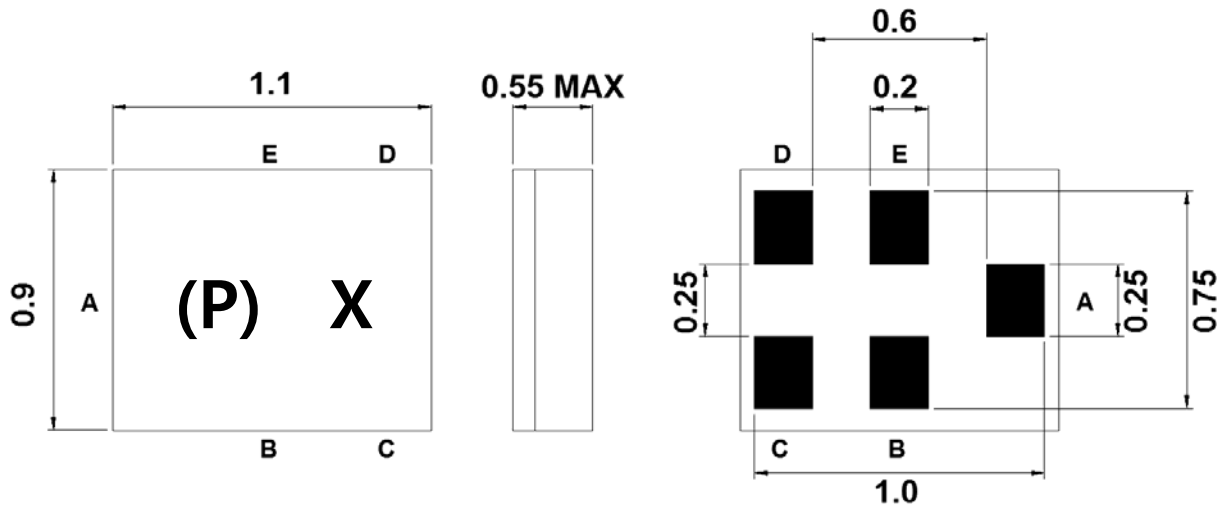
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	-
Maximum Input Power	dBm	-	-	10
Source Impedance (Unbalanced)	Ω	-	50	-
Load Impedance (Unbalanced)	Ω	-	50	-
Package type & size	C14			
Length x Width	mm ²	-	1.1 x 0.9	-
Height	mm	-	-	0.55
ESD	HBM:1A(499V) MM:M1(100V)			

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	881.5	-
Insertion Loss within 869.0 ~ 894.0 MHz	dB	-	1.3	1.8
Amplitude Ripple within 869.0 ~ 894.0 MHz	dB _{p-p}	-	0.3	1.1
Input VSWR within 869.0 ~ 894.0 MHz	-	-	1.6	2.0
Output VSWR within 869.0 ~ 894.0 MHz	-	-	1.6	2.0
Attenuation:				
1.0 ~ 824.0 MHz	dB	48	54	-
824.0 ~ 849.0 MHz	dB	46	51	-
849.0 ~ 854.0 MHz	dB	30	41	-
909.0 ~ 979.0 MHz	dB	20	27	-
1710.0 ~ 1910.0 MHz	dB	40	45	-
1920.0 ~ 2500.0 MHz	dB	35	41	-
2500.0 ~ 6000.0 MHz	dB	30	36	-

Notes : (1) No Matching Network .

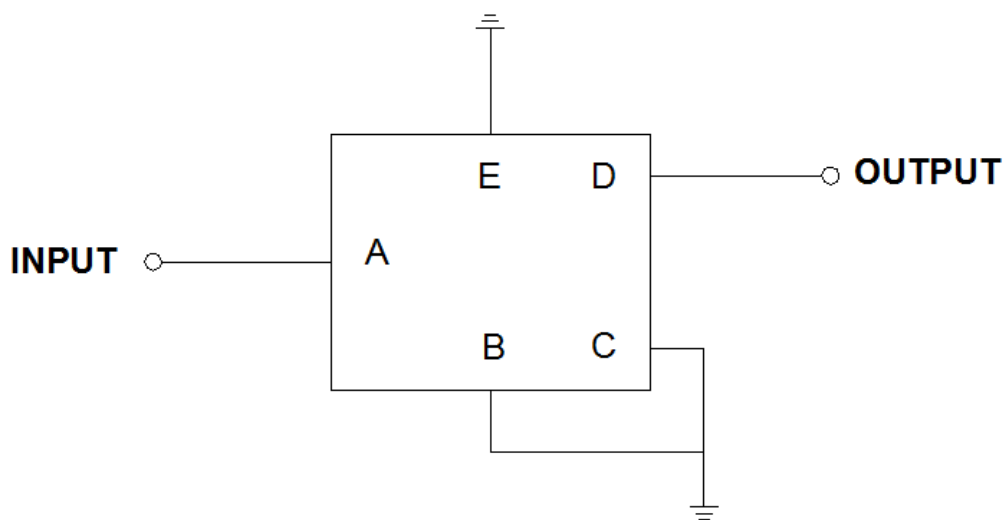
□ Package Dimensions



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

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

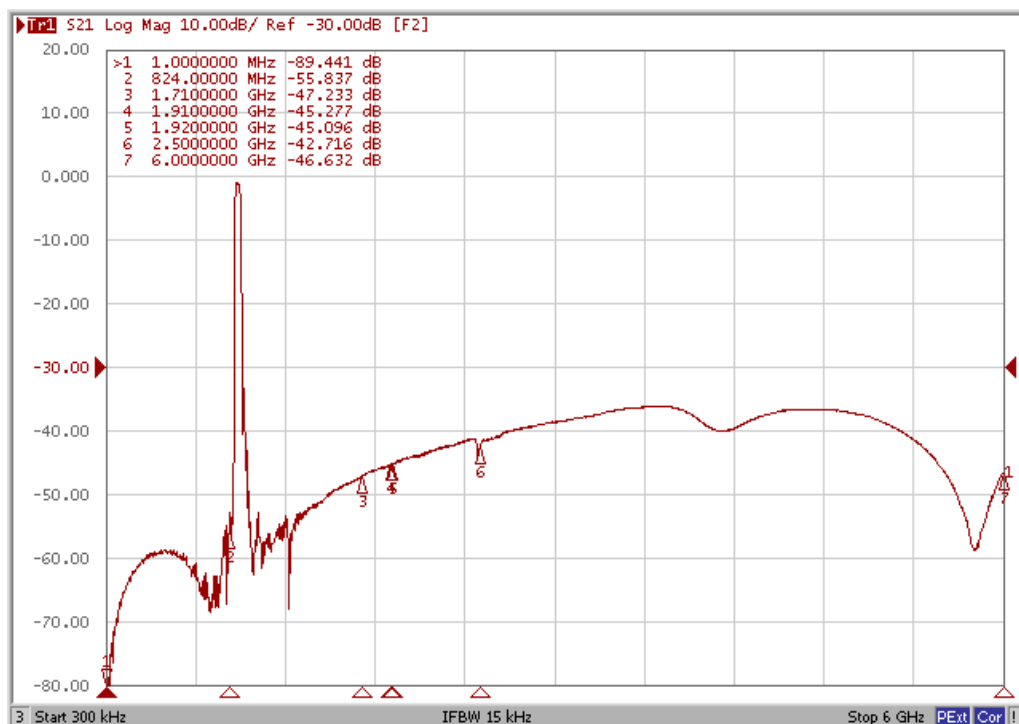
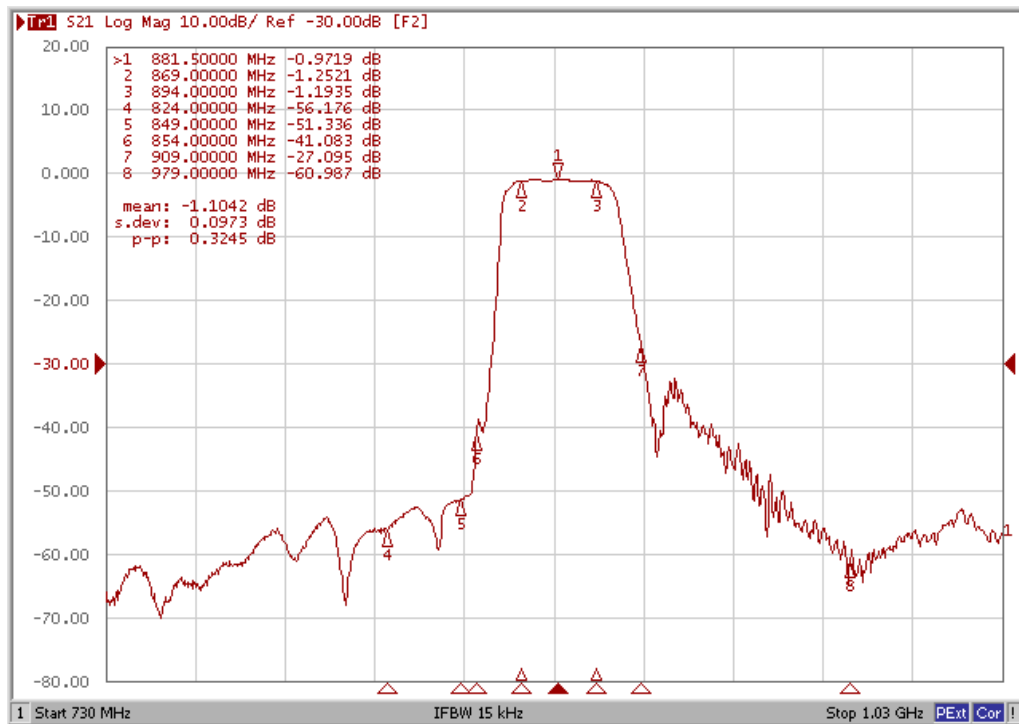
□ Testing Environment



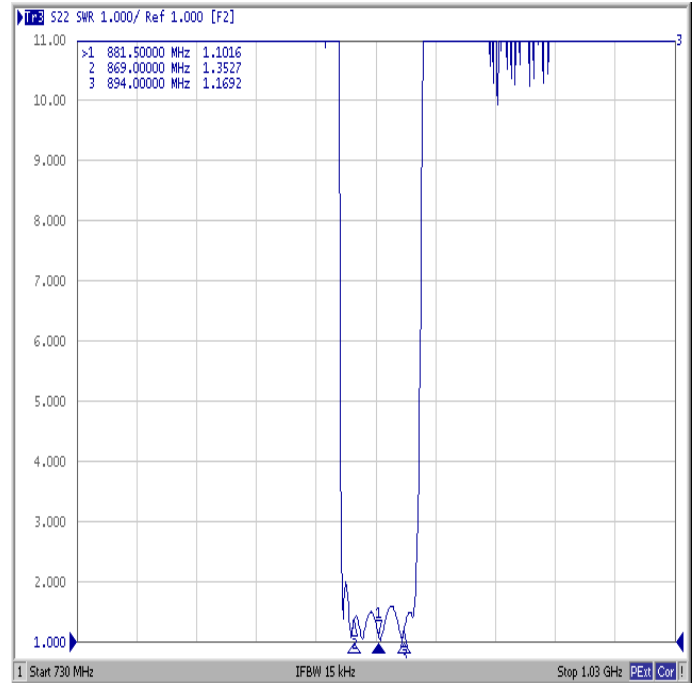
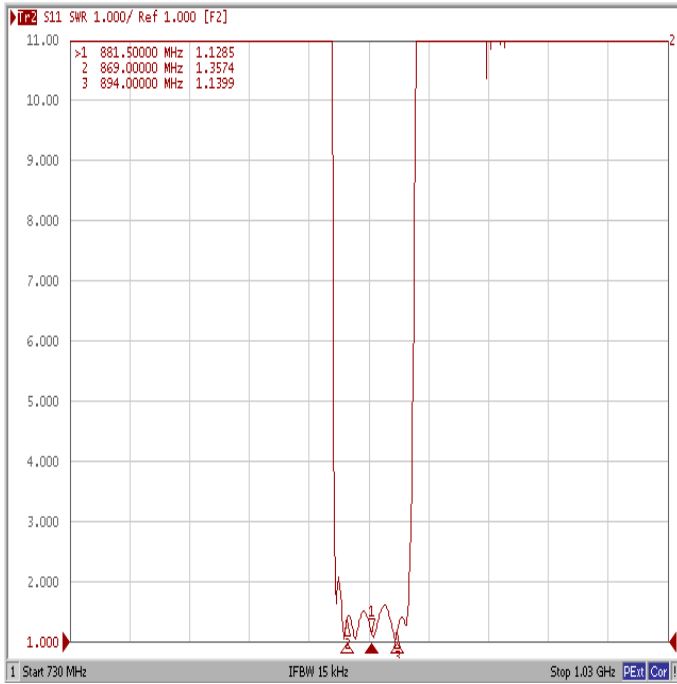
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith Chart

