



SK3080RE

Band8, Rx SAW Filter
Unbalanced / 5pin / 1109
Rev 1.02

MSL 3 Device



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

□ 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	-	-	3
Maximum Input Power(CW signal for 5000h, @55°C)	dBm	-	-	15
Length x Width	mm ²	-	1.1 x 0.9	-
Height	mm	-	0.55	-

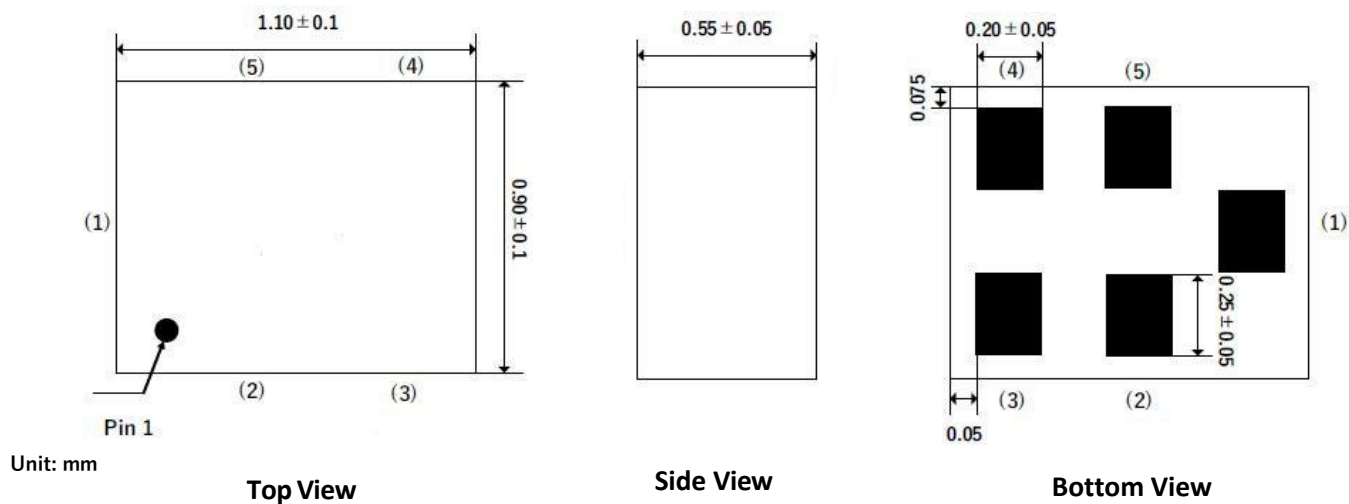
□ Electrical Characteristics

Electrical Specification

Parameters Description		Specifications			Unit	Note	
		-30°C~+85°C					
		Min.	Typ ^(*)	Max.			
Insertion Loss		925 to 960 MHz		1.6	2.5	dB	
Ripple		925 to 960 MHz		0.8	2.0	dB	
VSWR	RX	925 to 960 MHz		1.5	2.0		
	ANT	925 to 960 MHz		1.5	2.0		
Attenuation		450 to 824 MHz	30	37		dB	
		880 to 915 MHz	35	42		dB	
		1710 to 1785 MHz	35	42		dB	
		1850 to 1915 MHz	35	45		dB	
		1920 to 1980 MHz	35	45		dB	
		2010 to 2025 MHz	35	47		dB	
		2300 to 2400 MHz	40	51		dB	
		2400 to 2500 MHz	40	50		dB	
		2496 to 2690 MHz	40	50		dB	
		3300 to 3800 MHz	40	49		dB	
		4900 to 5950 MHz	40	49		dB	

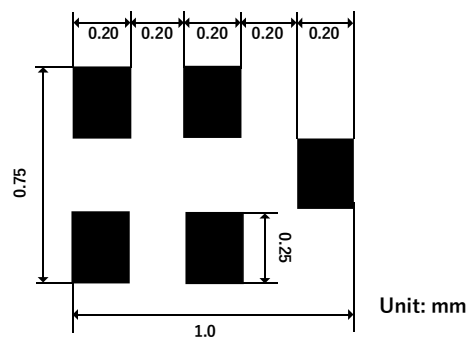
Note(*): Typical value at 25±2°C

Package Dimensions

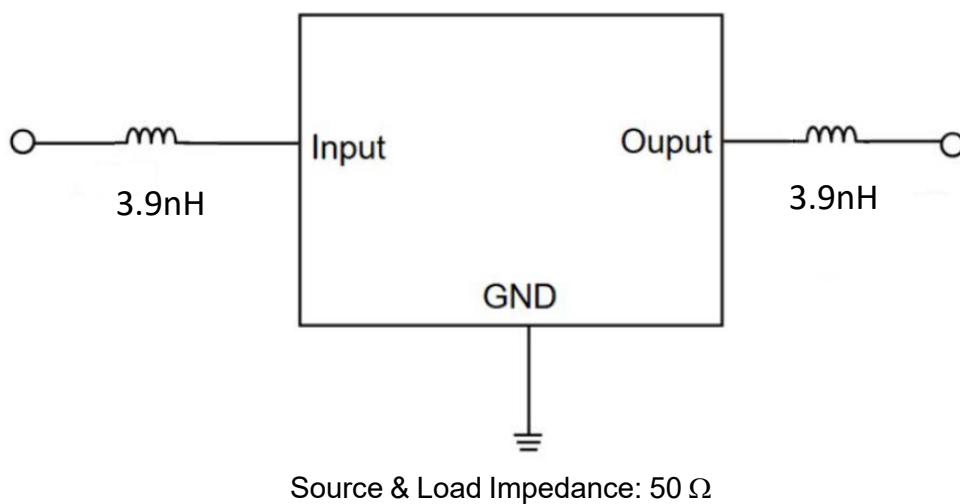


Pin Description	
2, 3, 5	Ground
1	Input
4	Output

Land Pattern

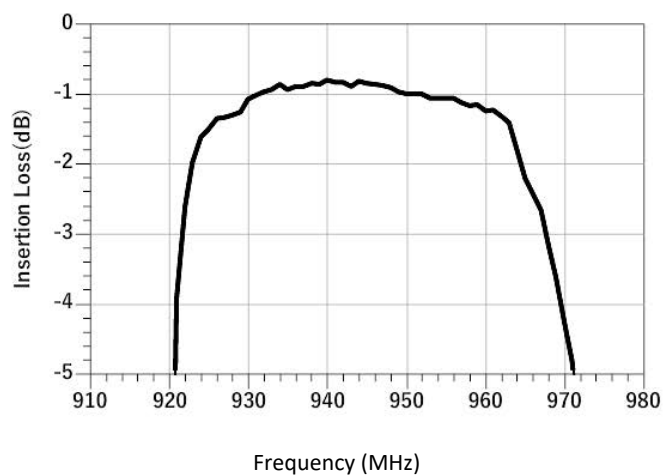


Testing Environment

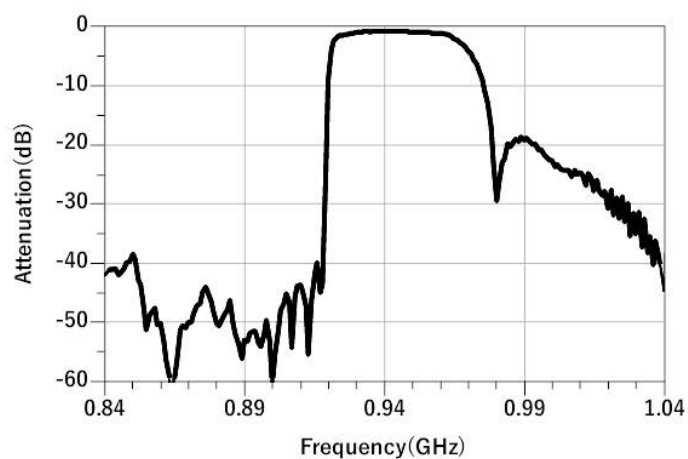


□ Frequency Characteristics

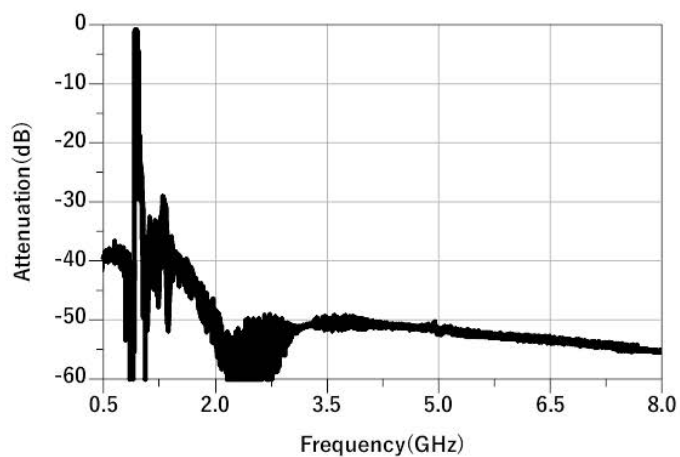
Passband



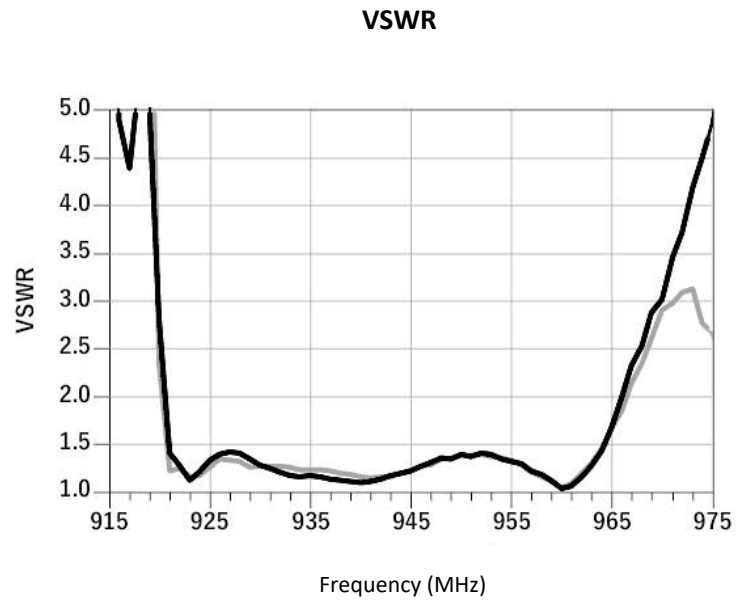
Narrowband



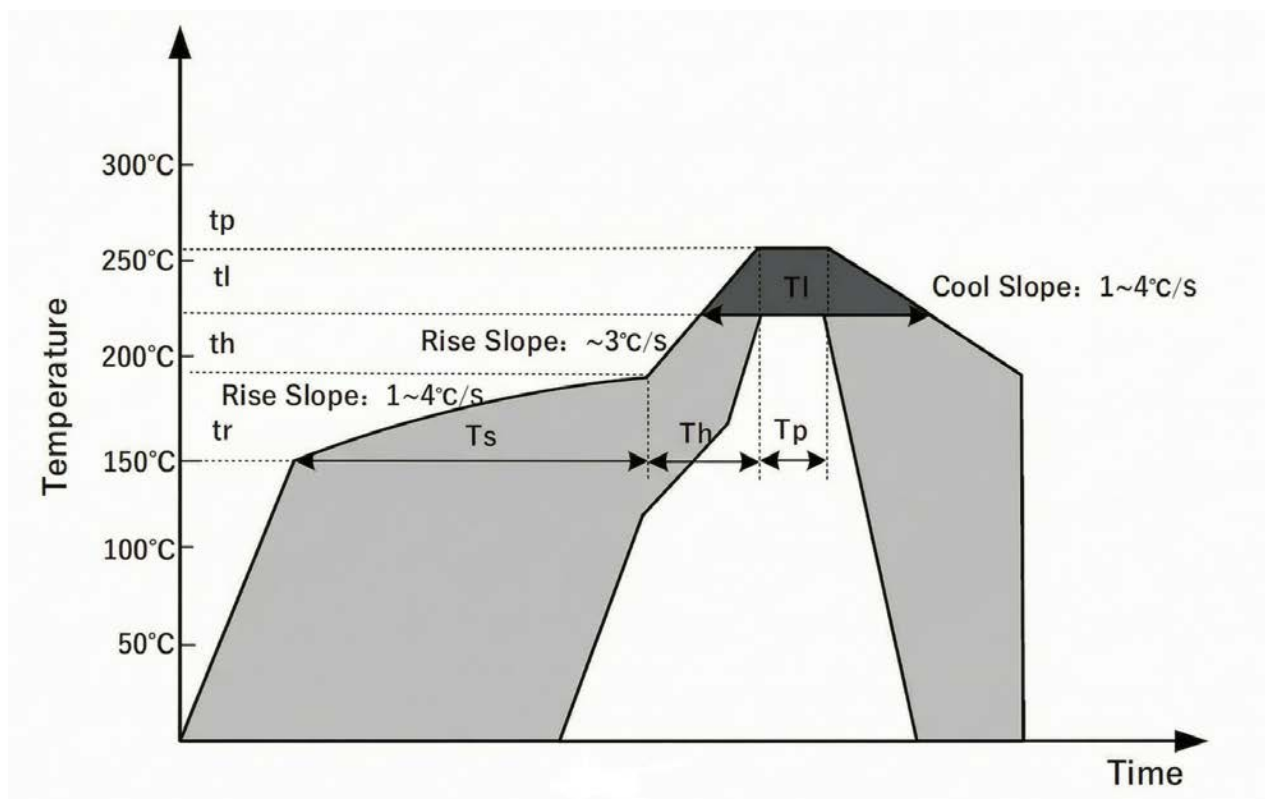
Wideband



□ Frequency Characteristics



□ Reflow Condition



Reflow Parameter	Values
Preheating time T_s	50 ~ 110s
Temperature t_r	~150°C
Time T_h	~30s
Temperature t_h	~180°C
Peak Time T_p	~10s
Peak Temperature t_p	~255°C min
Time T_l	~230°C
Temperature t_l	~50s max