



SK3030RE

Band3, RF-Rx SAW Filter
Unbalanced / 5pin / 1109
Rev 2.1

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,5000h/+55°C)	dBm	-	-	15
Length x Width	mm ²	-	1.1 x 0.9	-
Height	mm	-	0.55	-

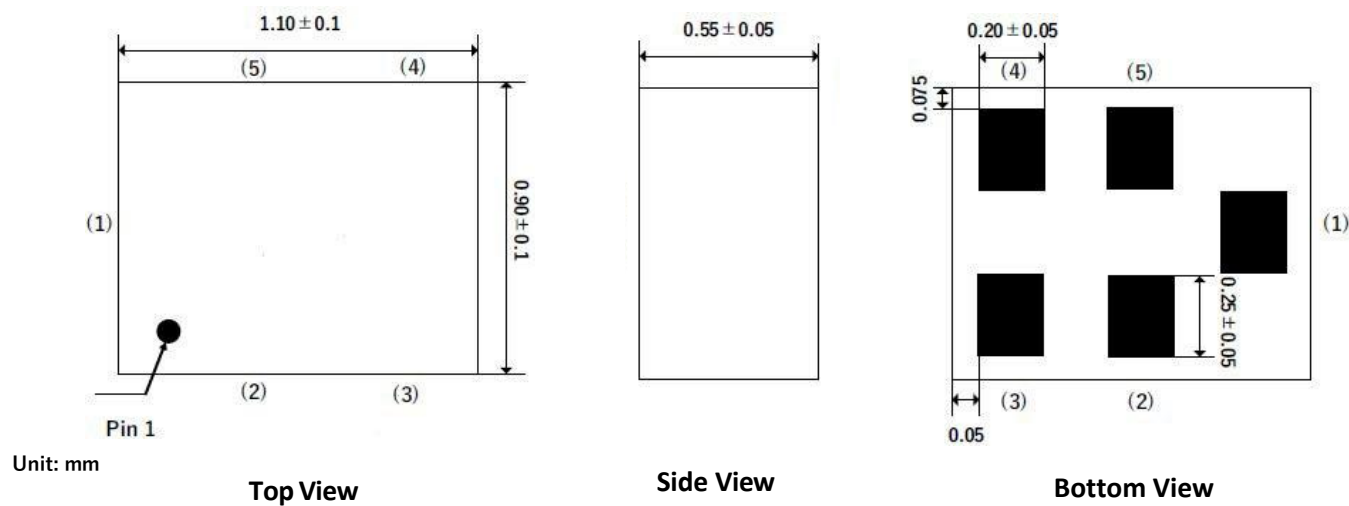
□ Electrical Characteristics

Electrical Specification

Parameters Description			Characteristics			Unit	Note
			-30 to +85 °C				
			Min	Typ (*)	Max		
Insertion Loss		1805 to 1880 MHz		2.3	3.1	dB	
Ripple		1805 to 1880 MHz		0.7	1.5	dB	Any 5MHz
VSWR	RX	1805 to 1880 MHz		1.6	2.2		
	ANT	1805 to 1880 MHz		1.7	2.2		
Attenuation		600 to 718 MHz	35	44		dB	
		718 to 748 MHz	35	44		dB	
		814 to 849 MHz	35	42		dB	
		832 to 862 MHz	35	41		dB	
		880 to 915 MHz	35	40		dB	
		1447 to 1463 MHz	32	38		dB	
		1615 to 1690 MHz	35	40		dB	
		1710 to 1782.5 MHz	35	41		dB	
		1930 to 1990 MHz	30	36		dB	
		2400 to 2500 MHz	32	37		dB	
		2500 to 2570 MHz	27	33		dB	
		2570 to 3515 MHz	30	35		dB	
		3515 to 3760 MHz	35	49		dB	
		5415 to 5640 MHz	32	39		dB	

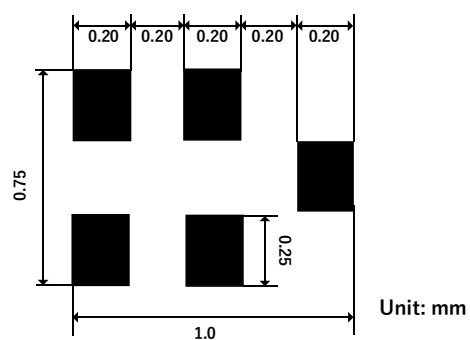
*Typical value at 25±2°C

□ Package Dimensions

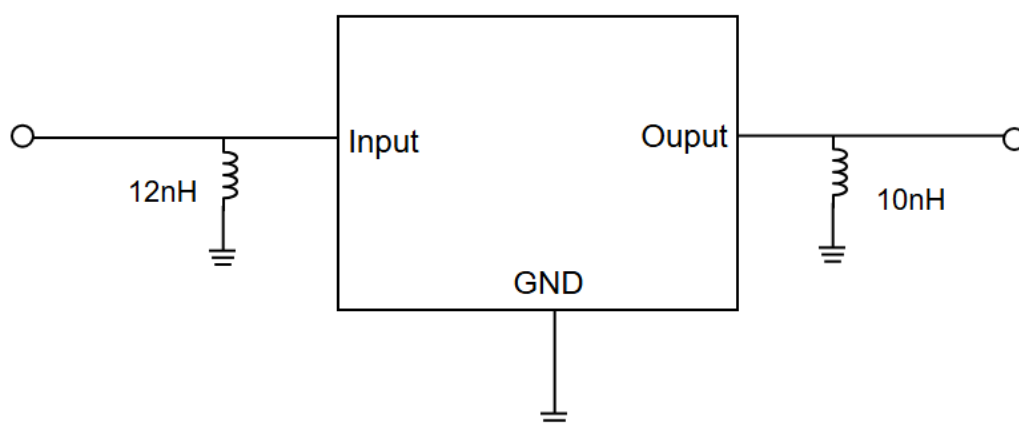


Pin Description	
2, 3, 5	Ground
1	Input
4	Output

Land Pattern



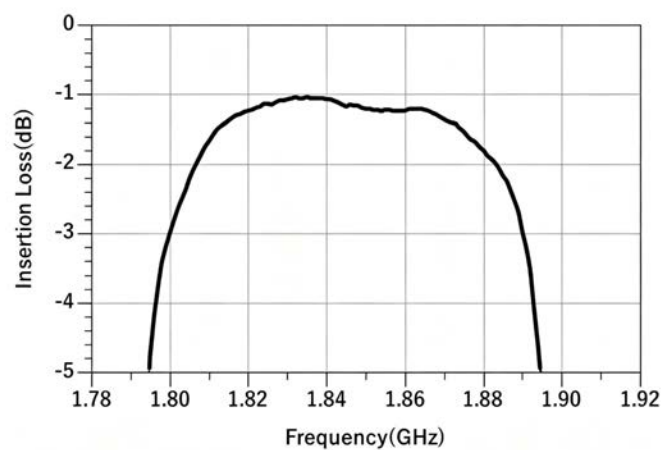
□ Testing Environment



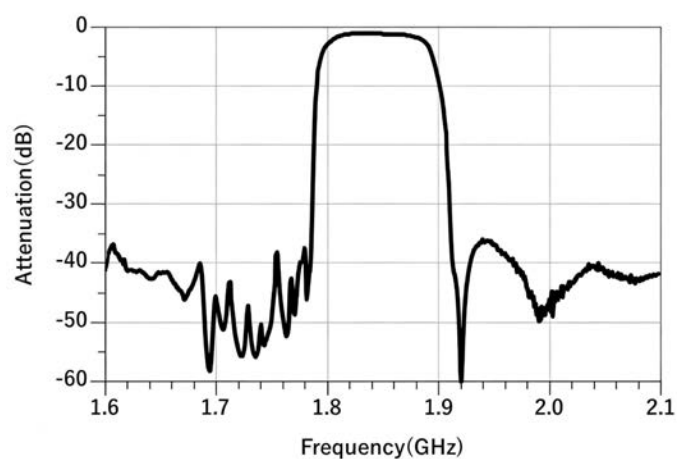
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

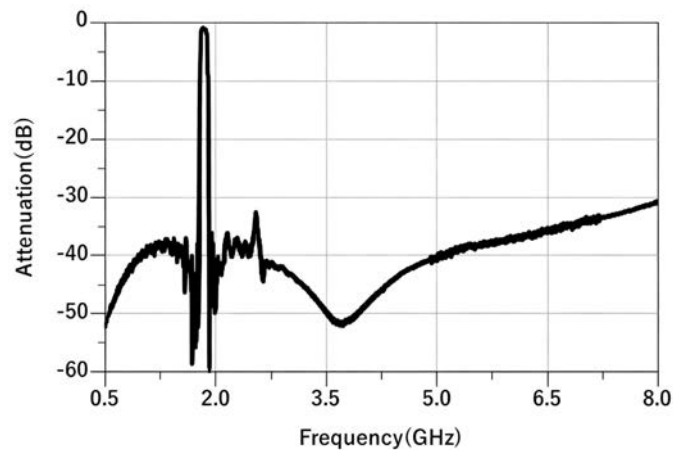
Passband



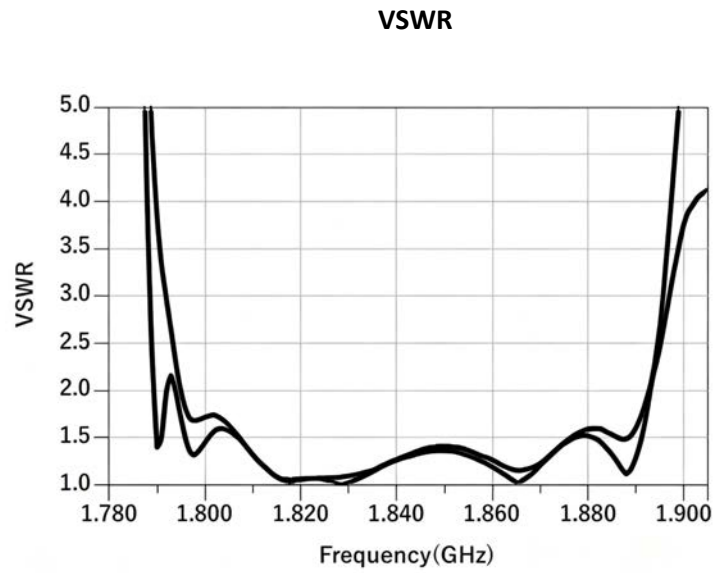
Narrowband



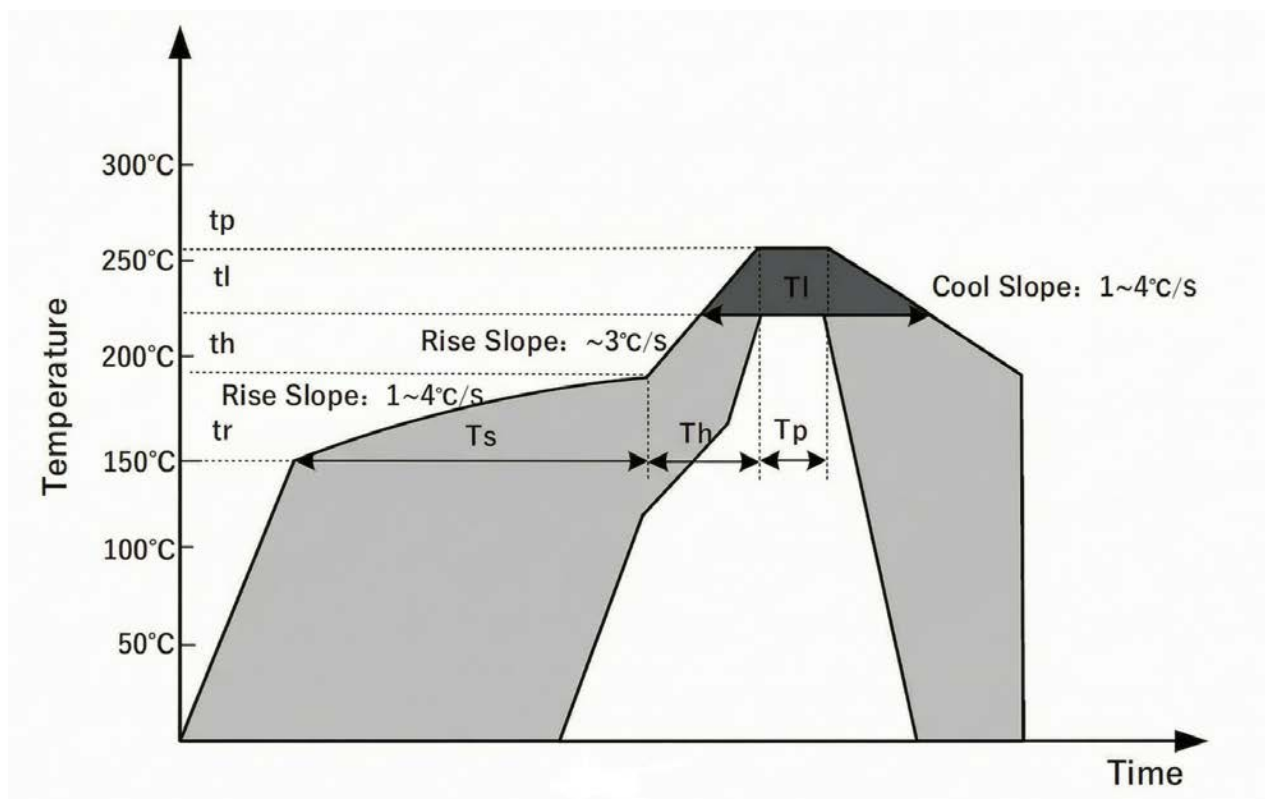
Wideband



□ 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