SK3410RE194

MSL 3 Device

Band41, Rx SAW Filter
Unbalanced / 5pin / 1109
Rev 1.02

❒Electrical Characteristics

❒Package Dimensions

❒Testing Environment

❒Frequency Characteristics

❒Reflow Condition

❒ Electrical Characteristics

Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-30	-	+85
Storage Temperature Range	℃	-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

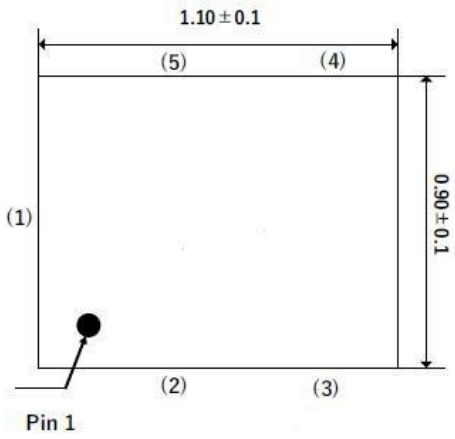
Electrical Specification

Parameter	Frequency	Specifications			Unit	Note
		-30℃~+85℃				
		Min.	Typ(*)	Max.		
Insertion Loss	2496 to 2690 MHz		2.2	3.1	dB	
	2500 to 2570 MHz		2.1	2.8	dB	
	2570 to 2620 MHz		1.6	2.0	dB	
	2535 to 2655 MHz		2.0	2.7	dB	
Ripple	2496 to 2690 MHz		1.0	2.0	dB	
VSWR	2496 to 2690 MHz		1.5	2.2		
Attenuation	500 to 960 MHz	37	51		dB	
	1248 to 1345 MHz	35	43		dB	
	1710 to 1785 MHz	27	35		dB	
	1850 to 1910 MHz	25	33		dB	
	1920 to 1980 MHz	25	32		dB	
	2401 to 2463 MHz	28	35		dB a)	WLAN CH1-9
	2446 to 2468 MHz	20	32		dB a)	WLAN CH10
	2451 to 2473 MHz	11	28		dB a)	WLAN CH11
	3300 to 3800 MHz	20	26		dB	
	3800 to 4200 MHz	30	40		dB	
	4900 to 5950 MHz	25	31		dB	
	4992 to 5380 MHz	26	32		dB	
	7488 to 8000 MHz	20	25		dB	

Note(*): Typical Value at 25±2℃.

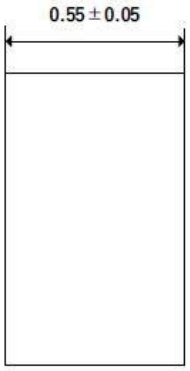
Note: dB a) Integrated attenuation over 18MHz-CH Bandwidth.

❒ Package Dimensions

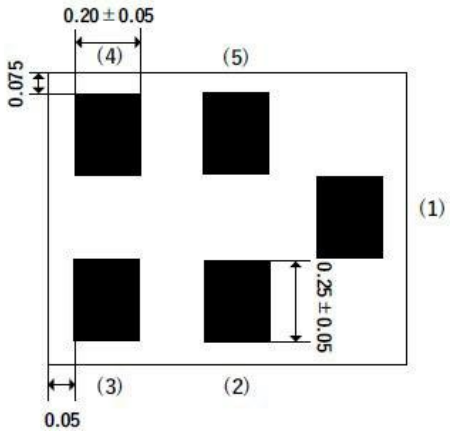


Unit: mm

Top View



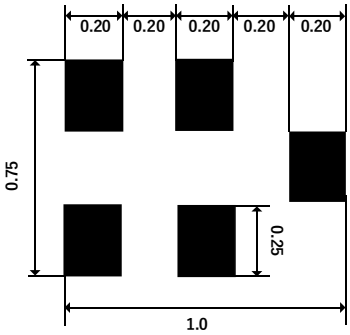
Side View



Bottom View

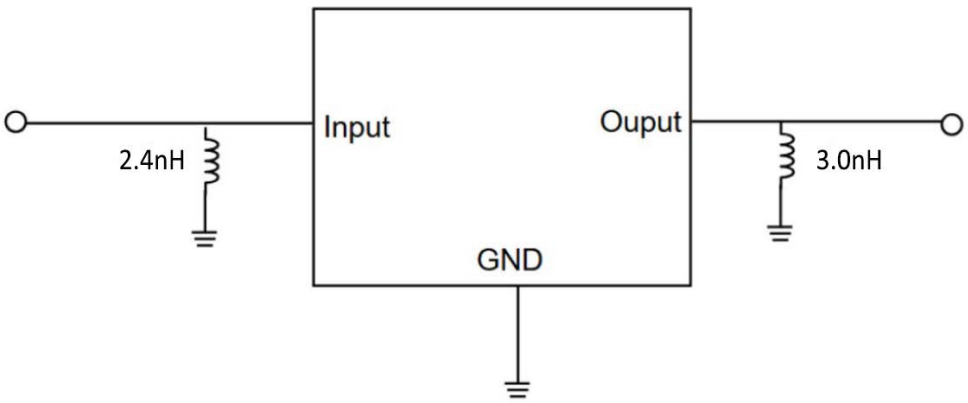
Pin Description	
2, 3, 5	Ground
1	Input
4	Output

Land Pattern



Unit: mm

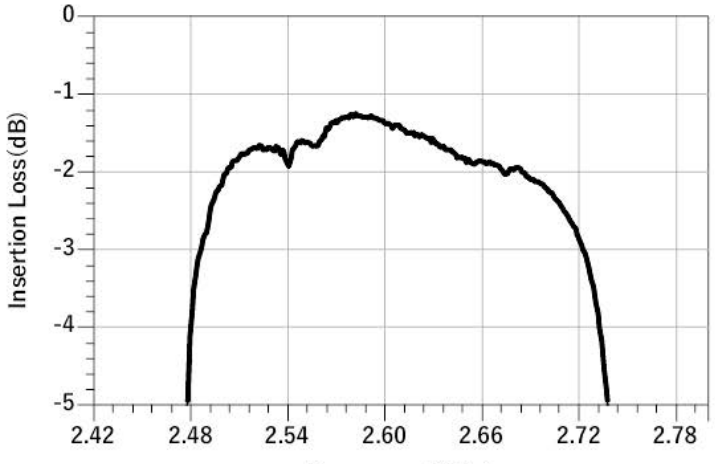
❒ Testing Environment



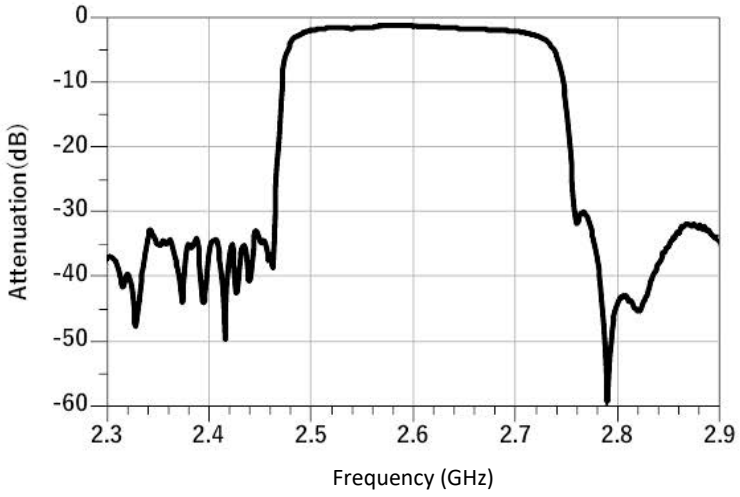
Source & Load Impedance: 50 Ω

❒ Frequency Characteristics

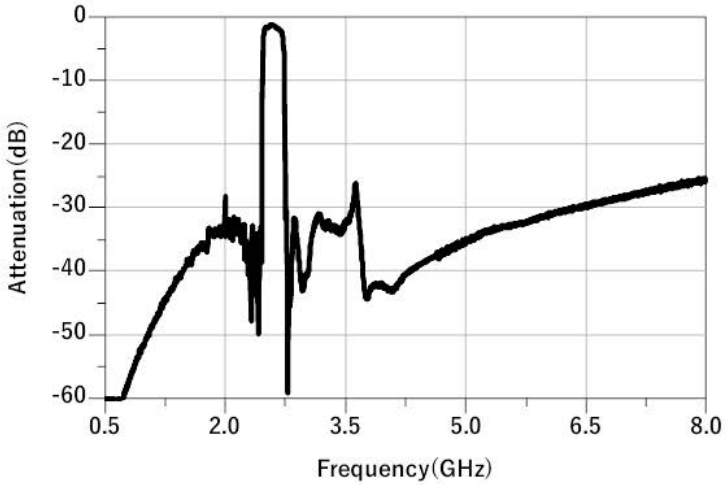
Passband



Narrowband

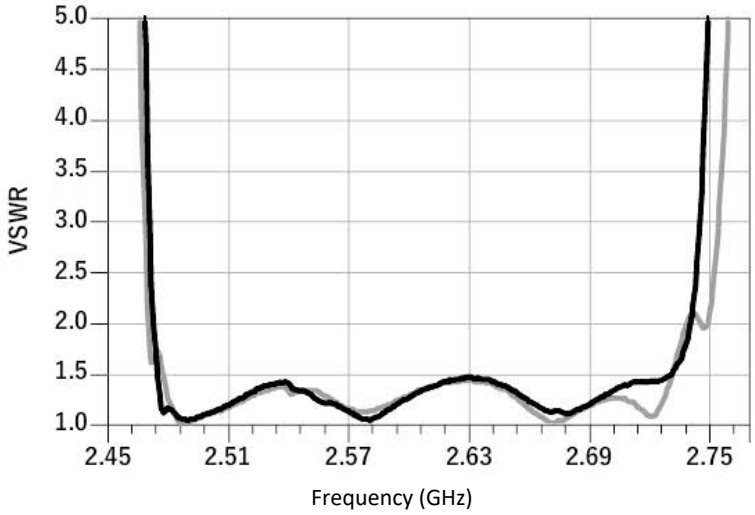


Wideband

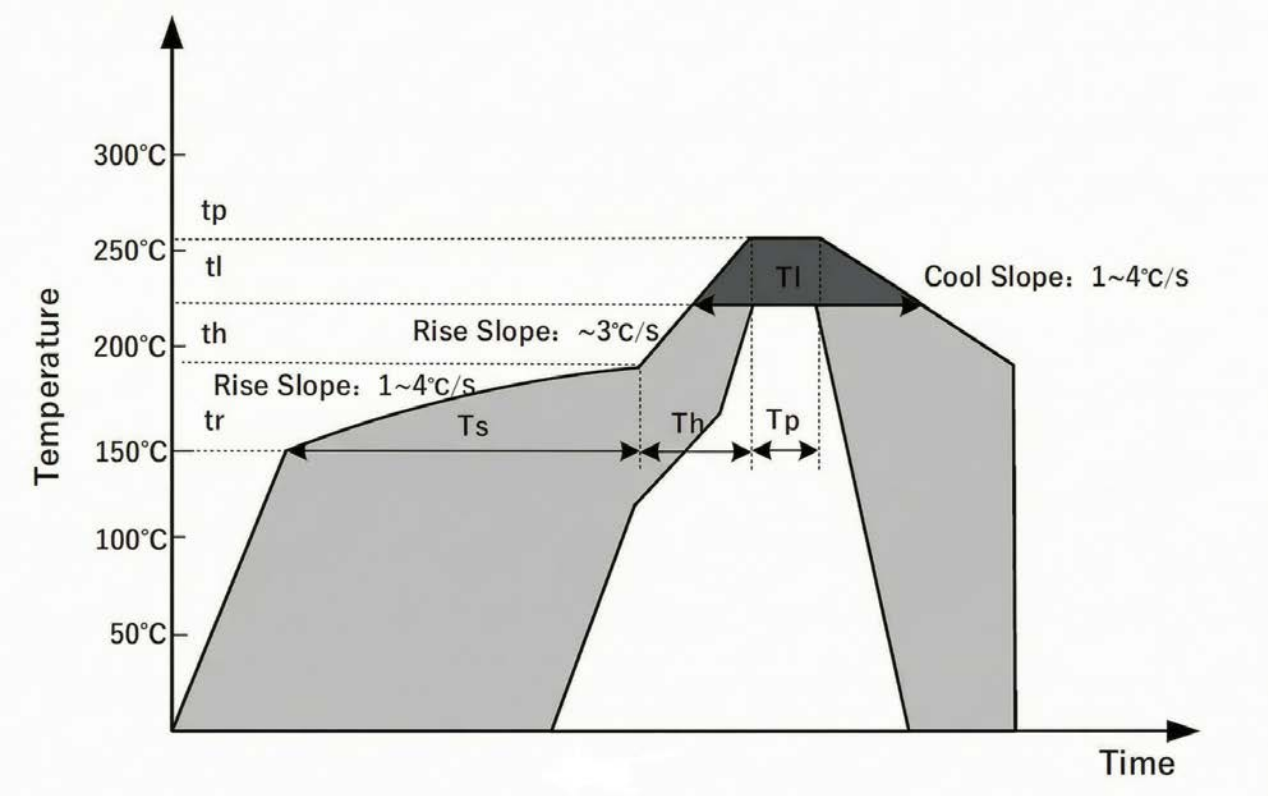


❒ Frequency Characteristics

VSWR



❒ Reflow Condition



Reflow Parameter	Values
Preheating time T_S	50 ~ 110s
Temperature tr	~150°C
Time Th	~30s
Temperature th	~180°C
Peak Time Tp	~10s
Peak Temperature tp	~255°C min
Time Tl	~230°C
Temperature tl	~50s max