SK3200RE

MSL 3 Device

Band20, RF-Rx SAW Filter
Unbalanced / 5pin / 1109
Rev 1.04

- ❒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

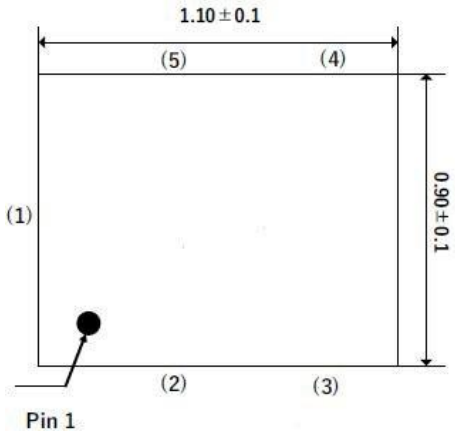
Electrical Specification

Parameter		Frequency	Specifications			Unit	Note
			-30°C~+85°C				
			Min.	Typ(*)	Max.		
Insertion Loss		791 to 821 MHz		1.8	2.6	dB	
Ripple		791 to 821 MHz		0.9	2.1	dB	
VSWR	RX	791 to 821 MHz		1.5	2.2		
	ANT	791 to 821 MHz		1.5	2.2		
Attenuation		617 to 703 MHz	35	40		dB	
		703 to 770 MHz	33	38		dB	
		834.5 to 862 MHz	35	40		dB a)	
		880 to 915 MHz	33	38		dB	
		1710 to 1785 MHz	32	37		dB	
		1850 to 1915 MHz	35	41		dB	
		1920 to 1980 MHz	35	43		dB	
		2401 to 2483 MHz	44	56		dB	
		2500 to 2570 MHz	45	60		dB	
		2496 to 2690 MHz	45	60		dB	
		3300 to 5000 MHz	45	60		dB	
		4900 to 5950 MHz	45	61		dB	

Note(*): Typical Value at 25±2°C.

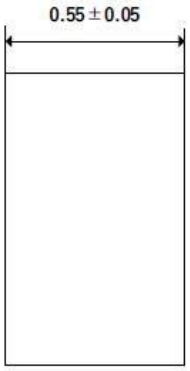
Note: dB a) Integrated $|Sij|^2$ over 4.5MHz-CH Bandwidth.

❒ Package Dimensions

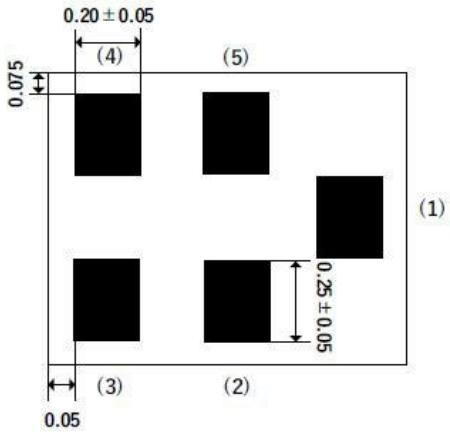


Unit: mm

Top View



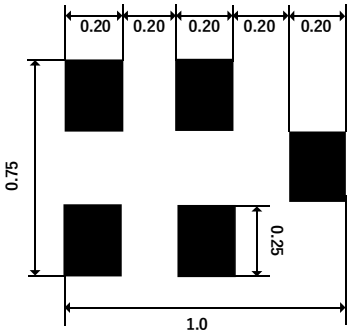
Side View



Bottom View

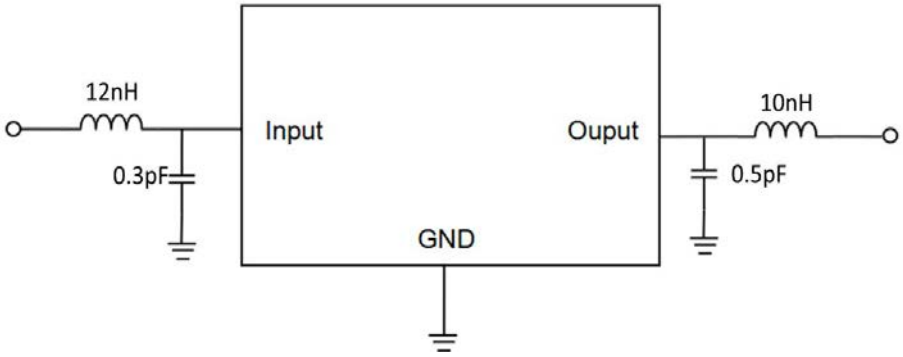
Pin Description	
2, 3, 5	Ground
1	Input
4	Output

Land Pattern



Unit: mm

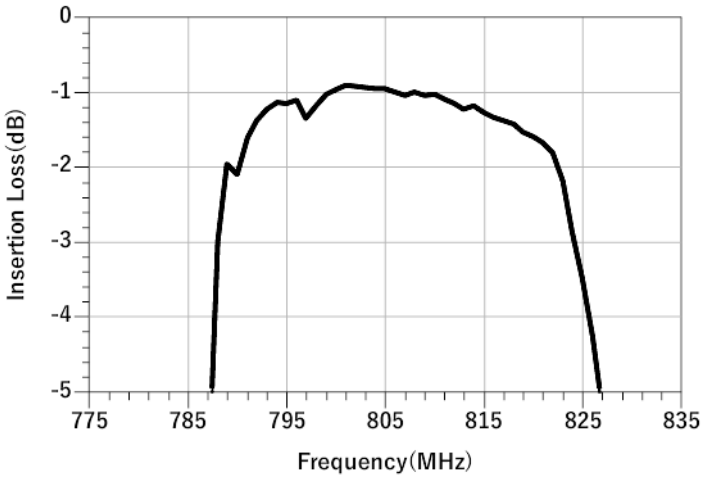
❒ Testing Environment



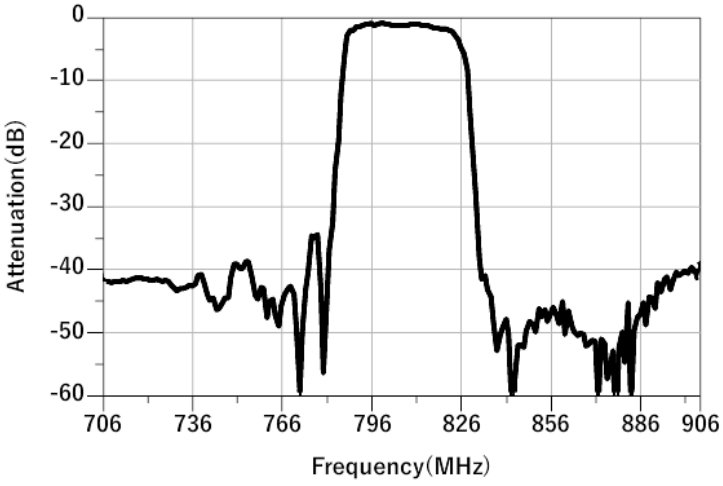
Source & Load Impedance: 50 Ω

❒ Frequency Characteristics

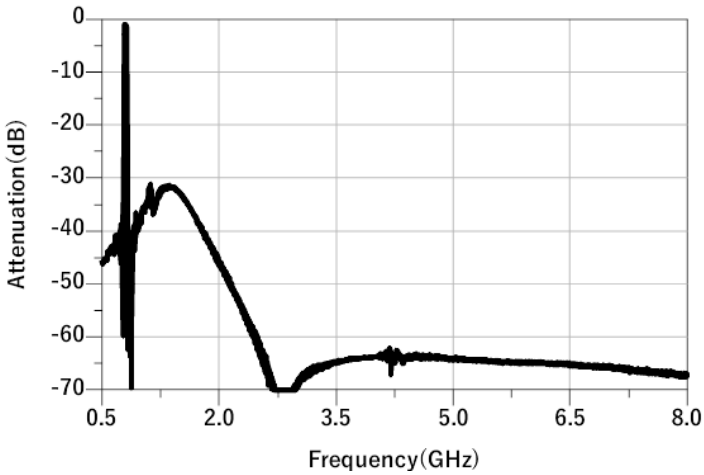
Passband



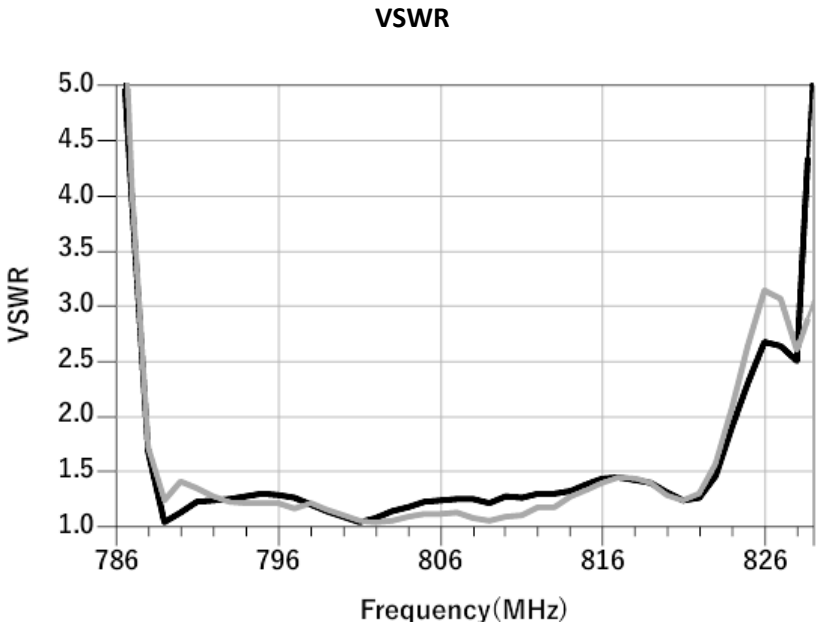
Narrowband



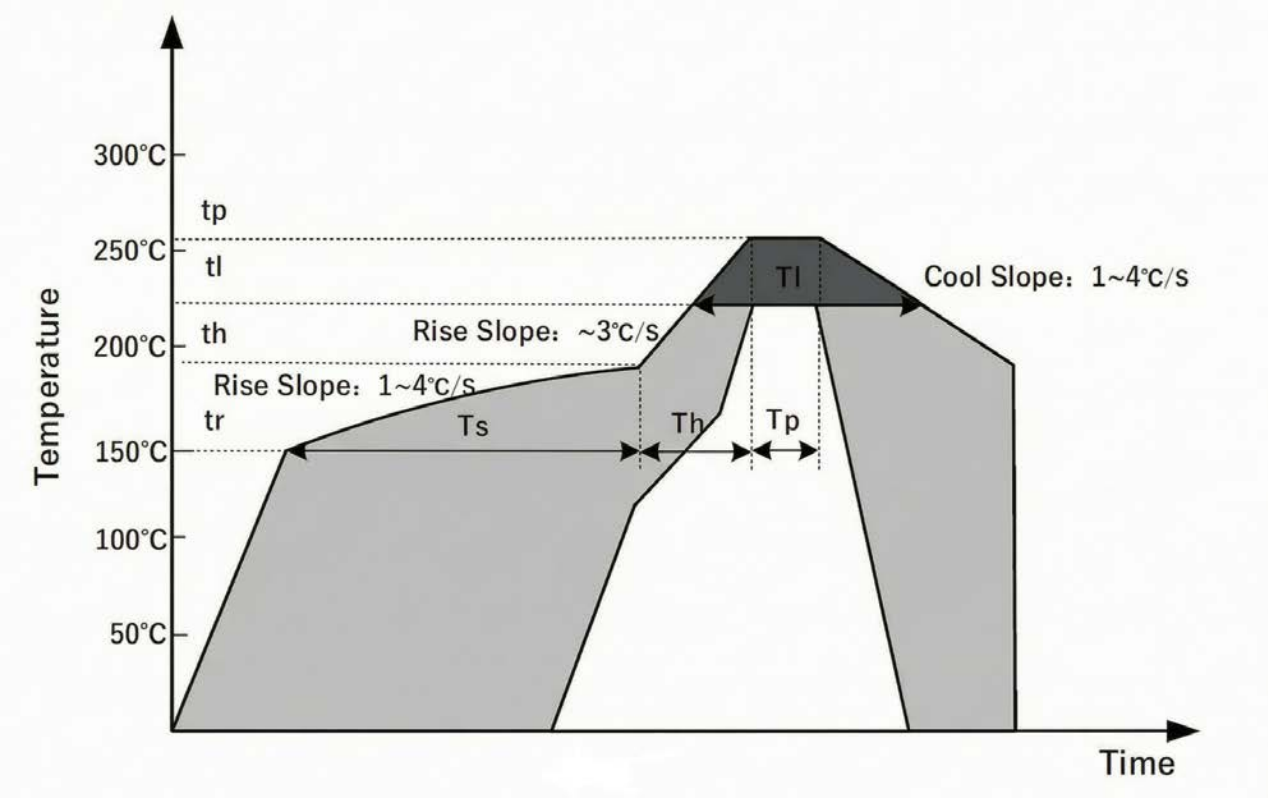
Wideband



❒ Frequency Characteristics



❒ 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