SK3400SE

MSL 3 Device

RoHS compliance

Pb free

Band40, RF SAW Filter
Unbalanced / 5pin / 1109
Rev 3.2

- ❒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	-	-	5
Maximum Input Power *(LTE Uplink Signal for 5000h, 55°C)*		dBm	-	-	30
Source Impedance (unbalanced)		Ω	-	50	-
Load Impedance (unbalanced)		Ω	-	50	-
Length x Width		mm^2	-	1.1 x 0.9	-
Height		mm	-	0.55	-
ESD voltage	**CDM**	V	-	-	500
	HBM	V	-	-	250

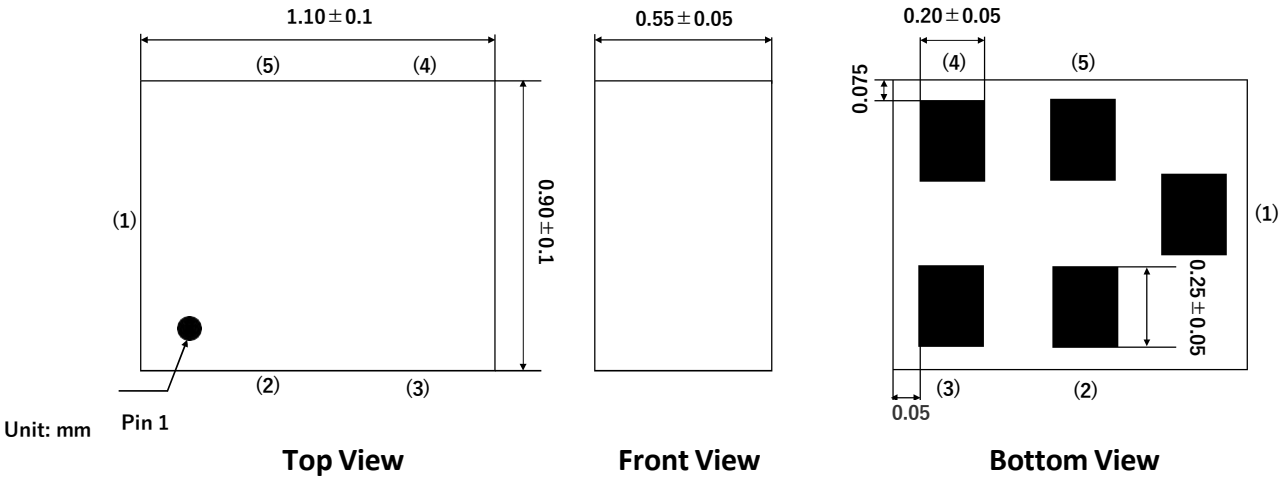
❒ Electrical Characteristics

Electrical Specification

Parameters Description		Characteristics			Unit	Notes
		Min	Typ (*)	Max		
Insertion Loss	2300 to 2400 MHz		1.7	2.4	dB	
Passband Ripple	2300 to 2400 MHz		0.8	1.5	dB	
VSWR	2300 to 2400 MHz		1.4	2.0	dB	
Attenuation	10 to 1680 MHz	16	23		dB	
	1845 to 1880 MHz	13	19		dB	
	2110 to 2170 MHz	13	19		dB	
	2460 to 2500 MHz	20	36		dB	
	2500 to 3000 MHz	13	19		dB	
	4600 to 4800 MHz	22	28		dB	
	6900 to 7200 MHz	14	22		dB	

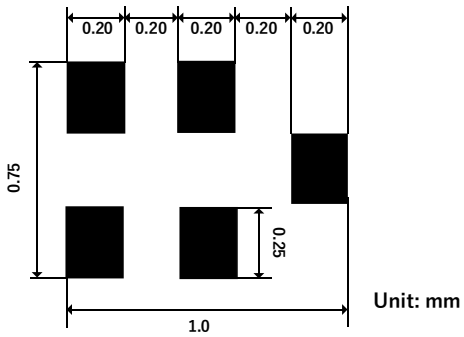
Note(*): Typical value at 25±2°C

❒ Package Dimensions

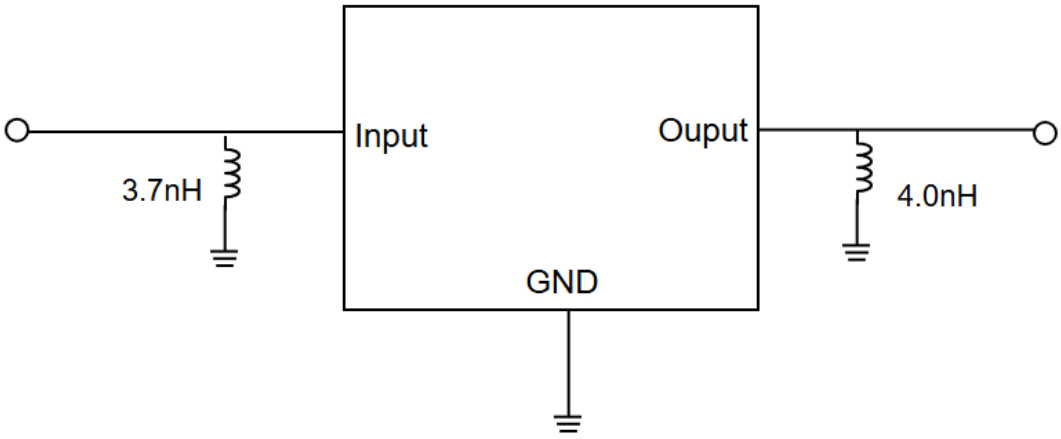


Pin Description	
2, 3, 5	Ground
1	Input
4	Output

Land Pattern



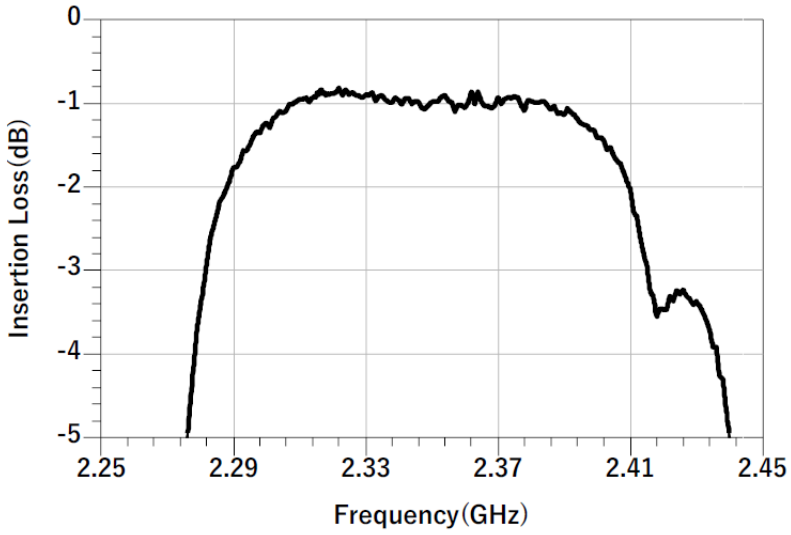
❒ Testing Environment



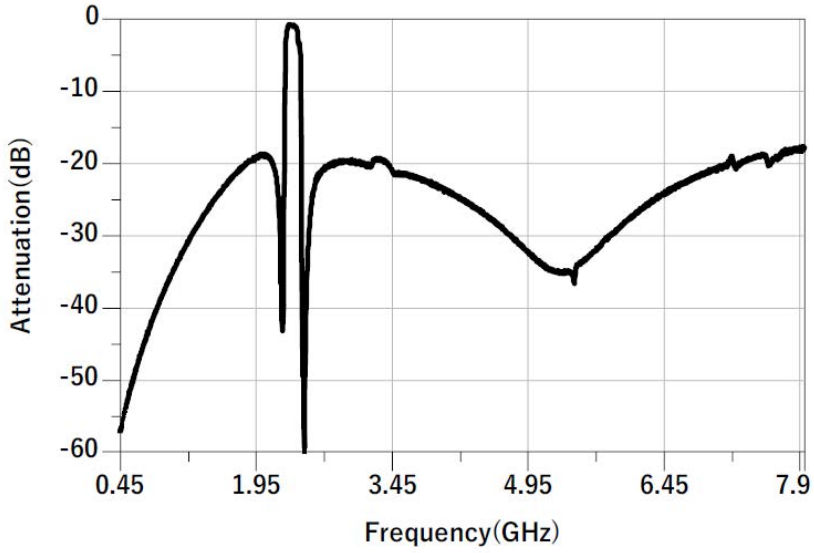
Source & Load Impedance: 50 Ω

❒ Frequency Characteristics

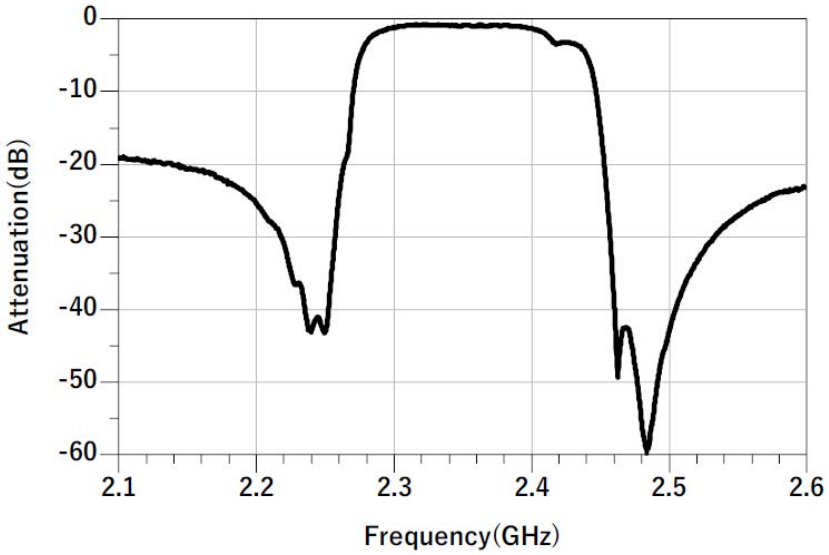
Passband



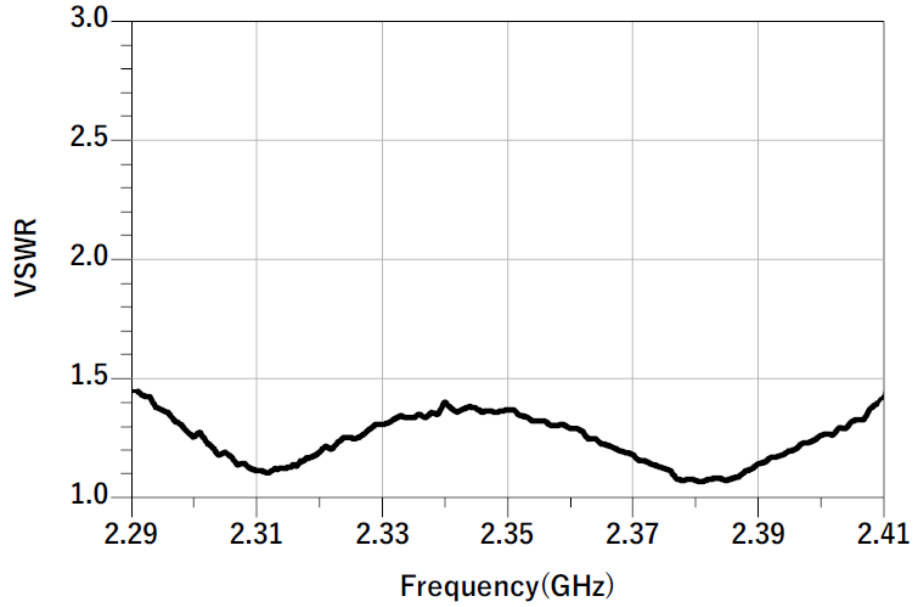
Narrowband



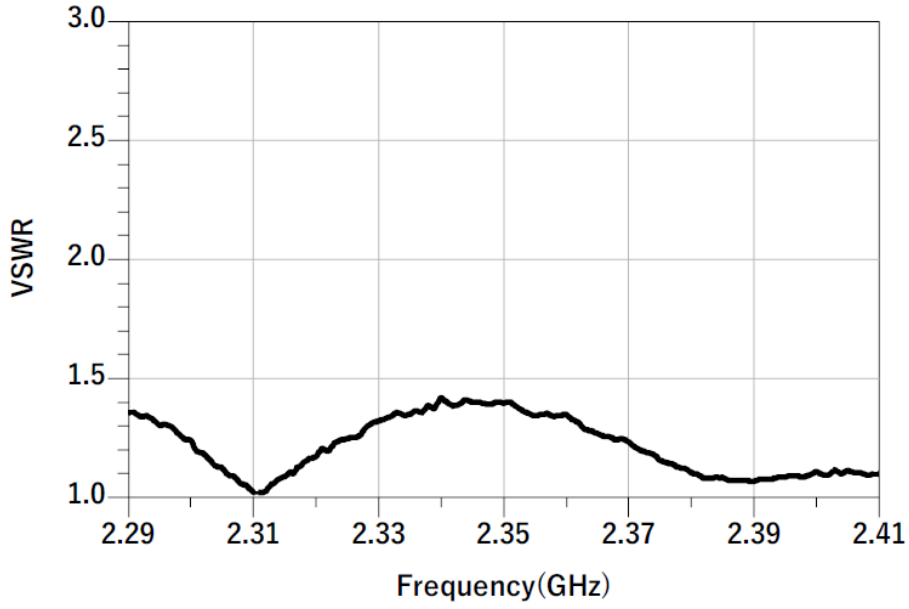
Wideband



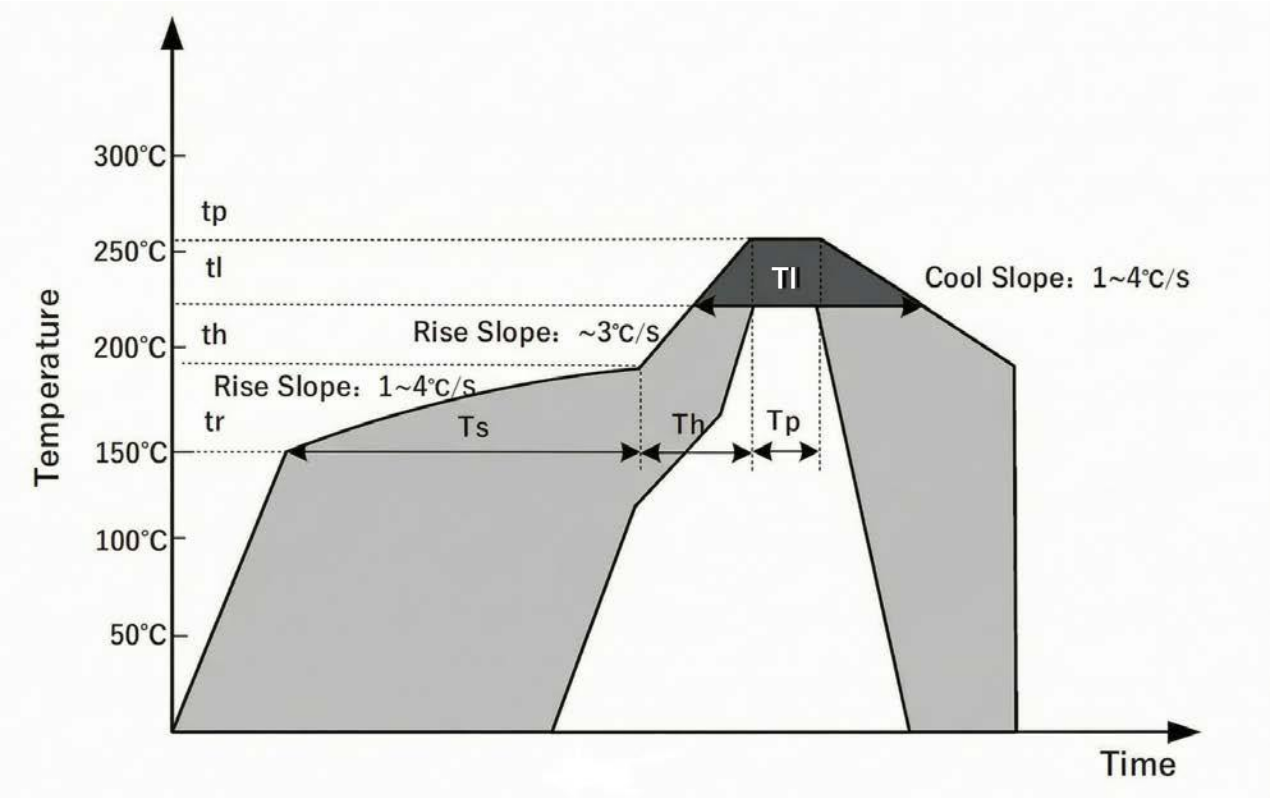
TX Port VSWR



ANT Port 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