



SF2555L

MAXIMUM RATING

Operating temperature range: -40 °C to +85 °C

• Storage temperature range: -55 °C to +125 °C

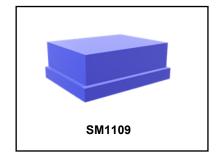
• Input power : 10dBm

Maximum DC Voltage: +/-5 V

• Moisture Sensitivity Level: Level 3 (MSL3)

• ESD 100V(MM) 200V(HBM)

751 MHz SAW Filter



ELECTRICAL CHARACTERISTICS

Terminating source impedance : $Zs = 50 \Omega$ Terminating load impedance : $Z_L = 50 \Omega$

	Param	eters Description	Unit	Min	Тур	Max	Remarks	
Insertion Loss 746~ 756MHz			dB(*1)	-	1.9	2.5		
Amplitude ripple 746~ 756MHz			dB	-	0.5	2		
VSWR	Input	746~ 756MHz	-	-	1.7	2		
	Output	746~ 756MHz	-	-	1.7	2		
Attenua	tion:							
50~ 686 MHz			dB	30	40	-		
777 ~ 787 MHz			dB	44	50	-		
1710 ~	1755 M	Hz	dB	40	45	-		
1850 ~ 1910 MHz			dB	38	44	-		
2400 ~	2500 M	Hz	dB	35	41	-		
4900 ~ 6000 MHz			dB	25	35	-		
Input impedance			Ω	50			single-ended	
Output impedance			Ω	50			single-ended	

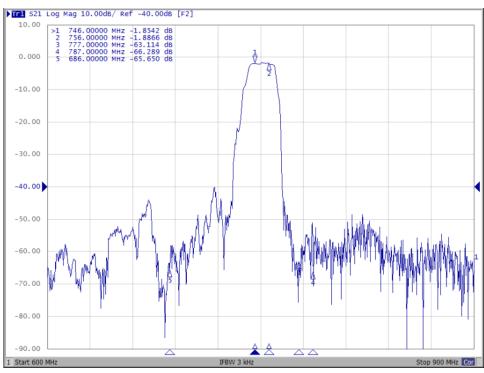
^(*1) Specification of insertion loss excludes loss that comes from the test board.

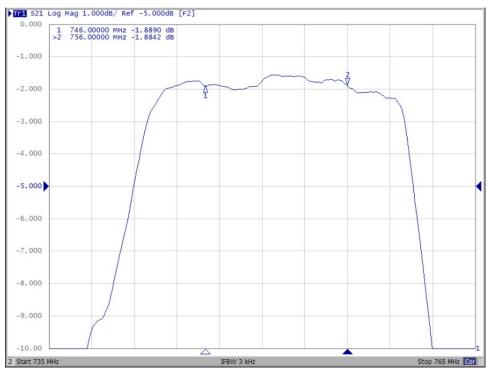
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling. NOTES:

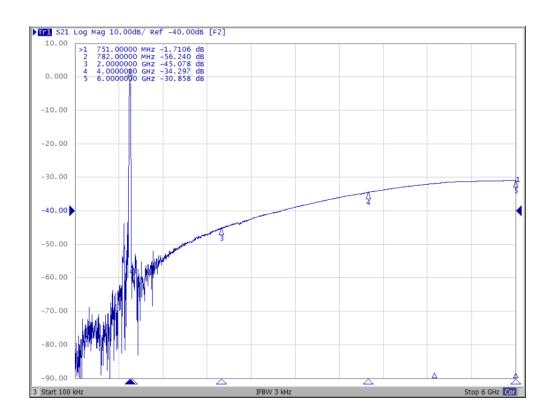
- 1. The design, manufacturing process, and specifications of this device are subject to change.
- 2. US or International patents may apply.
- 3. RoHS compliant from the first date of manufacture.

FREQUENCY CHARACTERISTICS

Passband

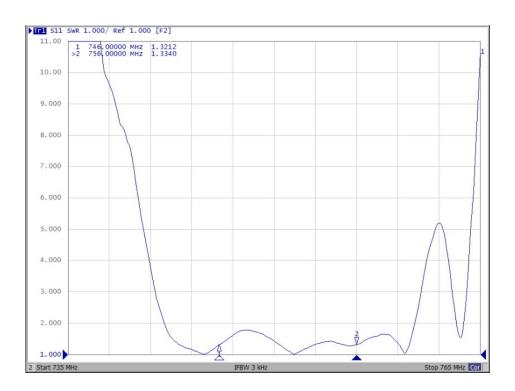




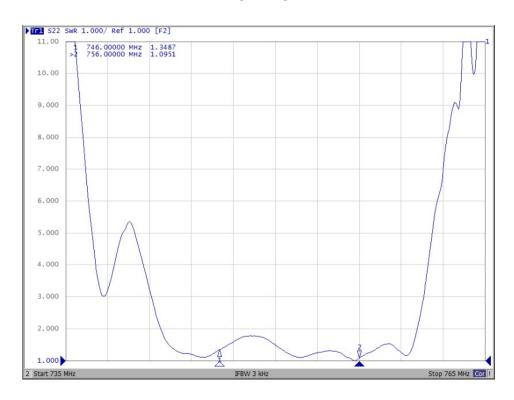


Reflection Functions:

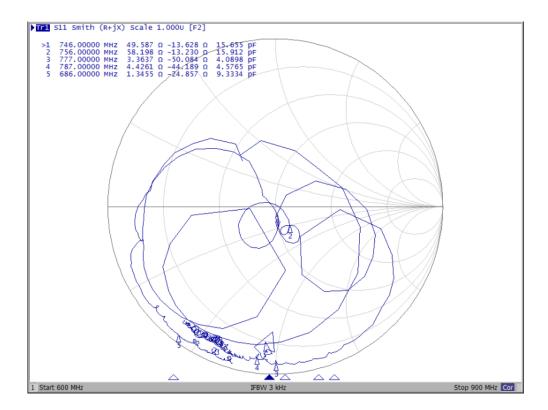
S11 VSWR



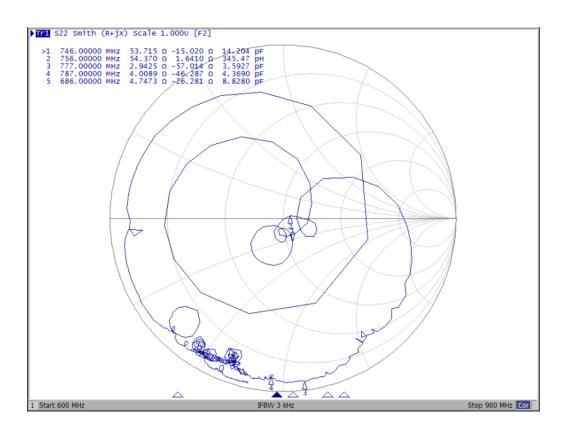
S22 VSWR



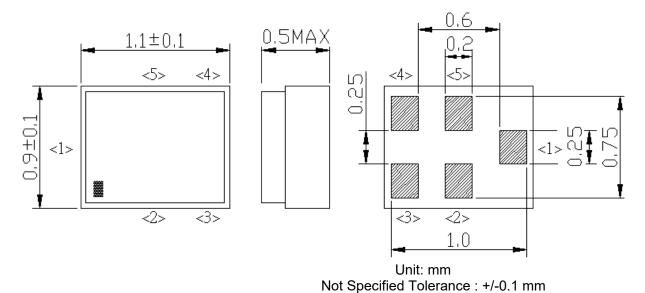
S11 Smith Chart



S22 Smith Chart



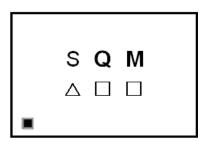
OUTLINE DRAWING



Pin Configuration

Pin No.	Symbol	Function
1	IN	Single-ended pin
2	GND	Ground
3	GND	Ground
4	OUT	Single-ended pin
5	GND	Ground

Top View

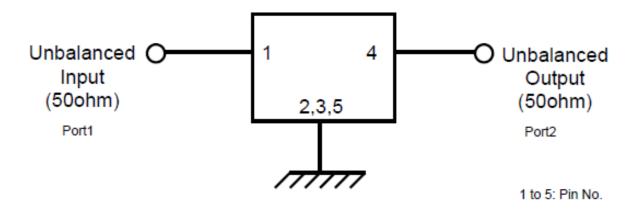


 \triangle : Date Code

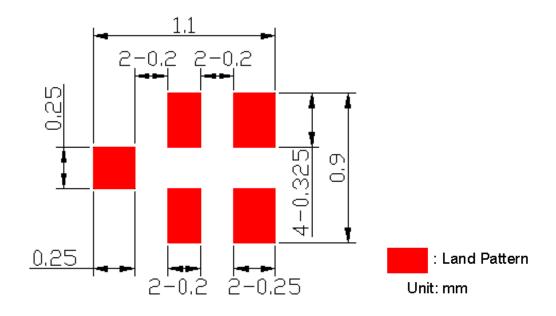
□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and I)

Date Code: Follow below table (4 year cycle)												
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	N	Р	Q	R	S	Т	U	V	W	Х	Υ	Z
2019	а	b	С	d	е	f	g	h	j	k	I	m
2020	n	р	q	r	S	t	u	٧	W	Х	у	Z
2021	Α	В	С	D	Е	F	G	Н	J	K	L	М

MEASUREMENT CIRCUIT



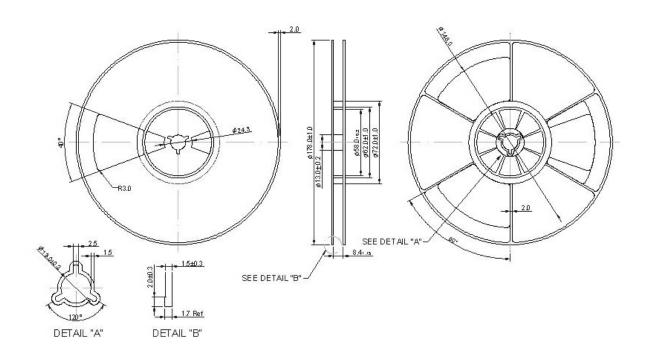
FOOTPRINT



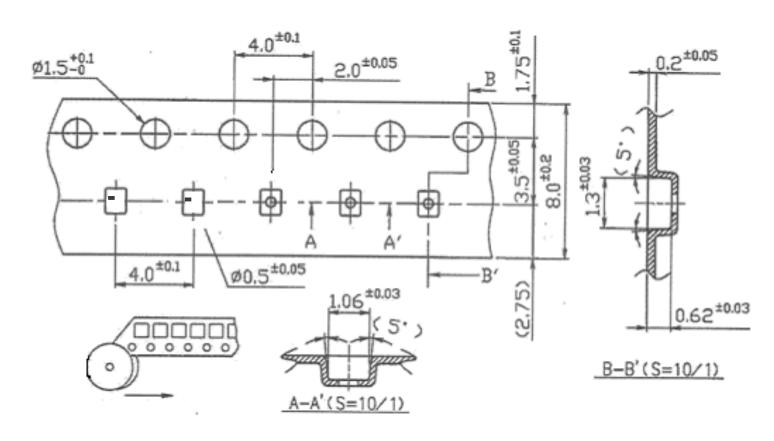
PACKING

REEL DIMENSION

Reel Count 7" = 3000 13" = 10,000



TAPE DIMENSION



RECOMMENDED REFLOW PROFILE

- 1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
- 2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
- 3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
- 4. Time: 2 times.

