



SF2607LA

MAXIMUM RATING:

• Maximum Input Power: 10 dBm

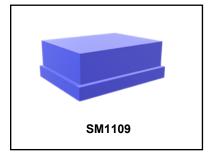
• DC voltage: +/-5 V

Operating Temperature: -40 °C to +85 °C
Storage Temperature: -40 °C to +100 °C
Moisture Sensitivity Level: Level 1 (MSL 1)

• ESD: 50 V(MM), 100 V(HBM)

• AEC-Q200 Qualified

1950 MHz SAW Filter



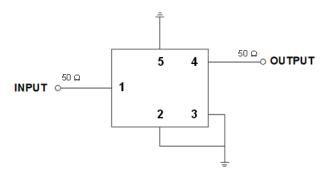
ELECTRICAL CHARACTERISTICS:

Terminating source impedance: Zs = 50Ω (Single-ended)

Terminating load impedance: $Z_L = 50 \Omega$ (Single-ended)

Parameters Description	Unit	Min.	Тур.	Max.				
Center Frequency Fc	MHz	-	1950	-				
Insertion Loss (1920~1980 MHz)	L dB	-	1.8	2.5				
Amplitude Ripple (1920~1980 MHz)	dB _{p-p}	-	0.8	2.0				
VSWR (1920~1980 MHz)	-	-	1.8	2.3				
Attenuation (Reference level from 0 dB)								
DC ~ 1577 MHz	dB	30	34	-				
1577 ~ 1880 MHz	dB	22	29	-				
2110 ~ 2170 MHz	dB	35	38	-				
2500 ~ 3120 MHz	dB	28	33	-				
3840 ~ 3960 MHz	dB	25	29	-				
5760 ~ 5940 MHz	dB	15	22	-				

MEASUREMENT CIRCUIT:

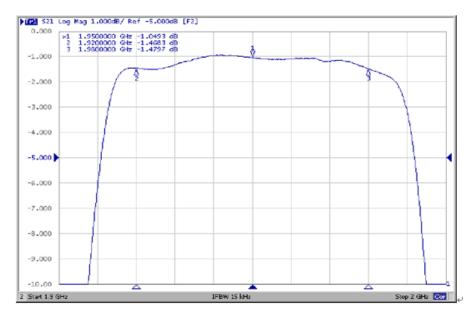


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

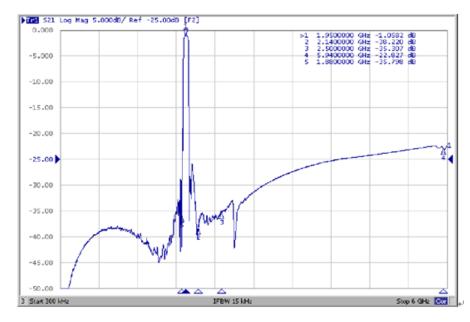


- 1. The design, manufacturing process, and specifications of this device are subject to change.
- 2. US or International patents may apply.
- 3. RoHS compliant from the first date of manufacture.

FREQUENCY CHARACTERISTIC:

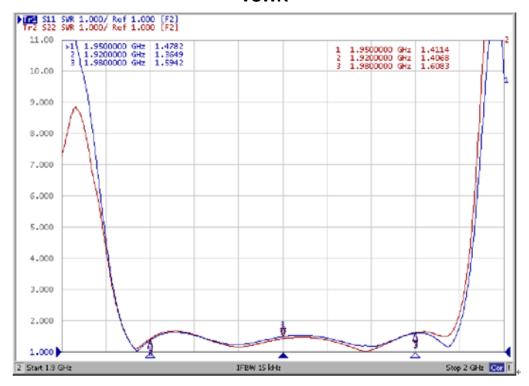




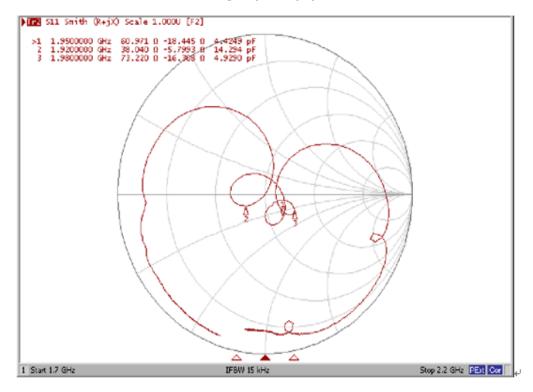


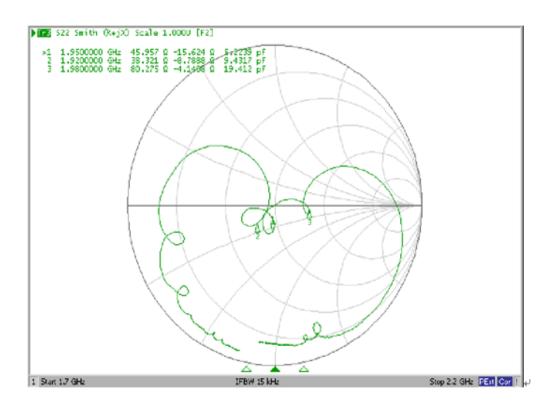
Reflection Functions:

VSWR

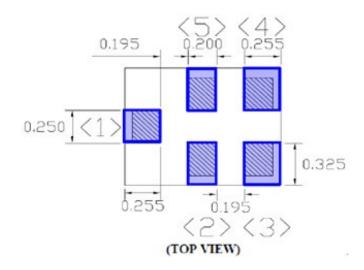


Smith Chart



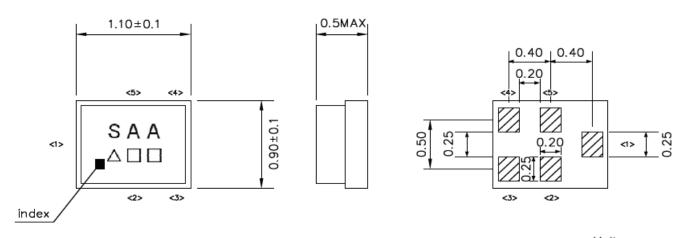


PCB Footprint:



OUTLINE DRAWING (Mass Production):

Device size: 1.1typ. x 0.9typ. x 0.5max.



Unit: mm

Pin Configuration

Pin No.	Symbol	Function		
1	IN	Unbalanced pin		
2	GND	Ground		
3	GND	Ground		
4	OUT	Unbalanced pin		
5	GND	Ground		

△: Date Code

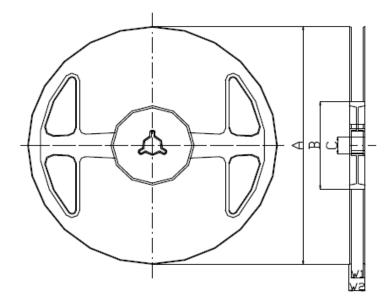
□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and I)

Date Code:

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2017	Α	В	С	Ð	Е	F	G	Н	J	K	L	Μ
2018	Z	P	Ŋ	R	S	Т	U	∇	W	X	Υ	Z
2019	a	b	С	d	е	f	g	h	j	k	1	3
2020	n	р	q	r	s	t	u	>	w	х	у	Z

PACKING

REEL DIMENSION



Materials of Reel

Material: Polvstvrene + Carbon

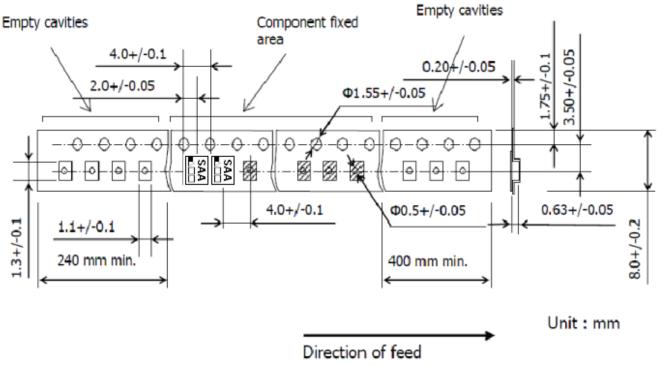
Color: Black

Surface resistance (reference value) : $10^9\Omega$ /sq Max.

Unit: mm

Code	Quantity	Α	В	С	W1	W2
J	5,000 pcs	ф 180.0 +0.0/-1.5	ф 66.0 +/-0.5	φ 13.0 +/-0.2	9.0 +1.0/-0.0	11.4 +/-1.0

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 260°C+0/-5°C peak (20~40sec).
- 4. Time: 2 times.

