



SF2557LM

MAXIMUM RATING

• Input Power Level: 10dBm

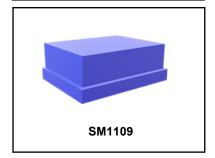
• DC Voltage: 5V

Operating Temperature: -30°C to +85°C
Storage Temperature: -40°C to +100°C

Moisture Sensitivity Level: Level 1

• ESD 50V(MM) 100V(HBM)

763 MHz SAW Filter



ELECTRICAL CHARACTERISTICS

Terminating source impedance(Unbalanced)⁽¹⁾ : $Zs = 50 \Omega$ Terminating load impedance(Unbalanced)⁽¹⁾ : $Z_L = 50 \Omega$

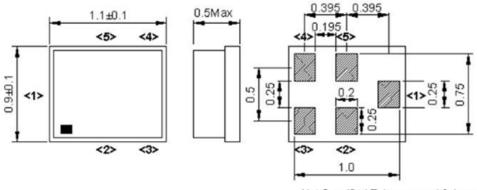
,					
Item					Note
Fc	MHz	-	763	-	-
IL	dB	-	2.2	3.0	(*1)
	dBp-p	-	0.7	2.0	-
		-	1.8	2.1	-
B)					
	dB	30	42	-	-
	dB	35	49		
	dB	44	49	-	Tx
	dB	35	42	-	-
	dB	30	37	-	-
	IL	IL dB dBp-p B) dB dB dB dB dB dB	Fc MHz - IL dB - dBp-p B) dB 30 dB 35 dB 44 dB 35	Fc MHz - 763 IL dB - 2.2 dBp-p - 0.7 - 1.8 B) dB 30 42 dB 35 49 dB 44 49 dB 35 42	Fc MHz - 763 - IL dB - 2.2 3.0 dBp-p - 0.7 2.0 - 1.8 2.1 B) dB 30 42 - dB 35 49 - dB 44 49 - dB 35 42 -

^(*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.

OUTLINE DRAWING

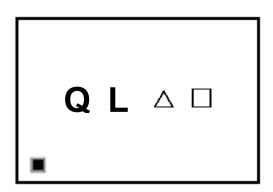


Not Specified Tolerance: +/-0.1 mm

Pin assignment

Pin No.	Pin name	Description			
1	ln	Input			
2	GND	Ground			
3	GND	Ground			
4	Out	Output			
5	GND	Ground			

Top View (Mass Production):



Marking name : QL

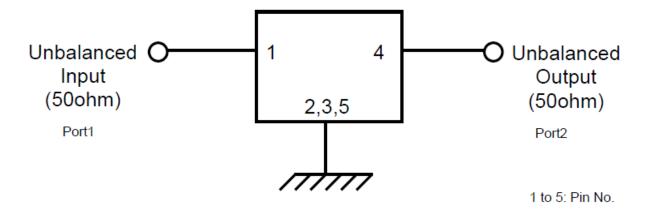
 \triangle : Date Code

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

date Code: (4-year cycle)

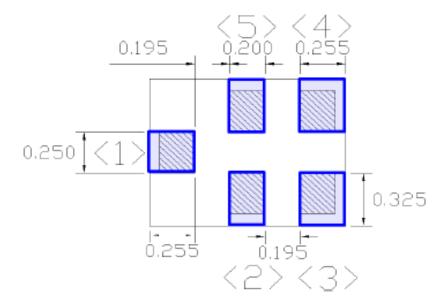
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017 / 2021	Α	В	С	D	E	F	G	Н	J	K	L	М
2018 / 2022	N	Р	Q	R	S	Т	U	V	W	Х	Υ	Z
2019 / 2023	а	b	С	d	е	f	g	h	j	k	I	m
2020 / 2024	n	р	q	r	s	t	u	v	w	х	у	z

Evaluation Circuit



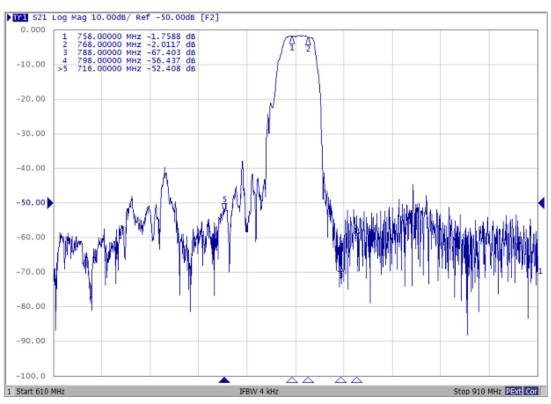
Source & Load Impedance: 50Ω

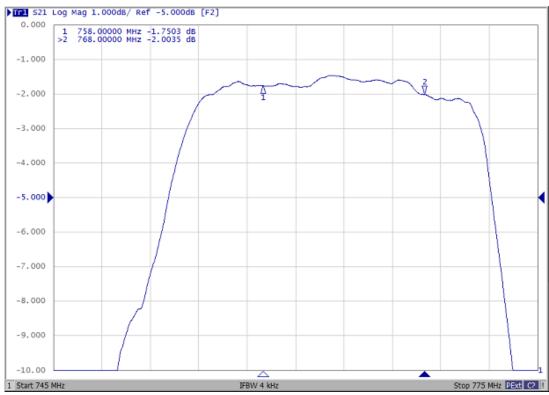
PCB Footprint

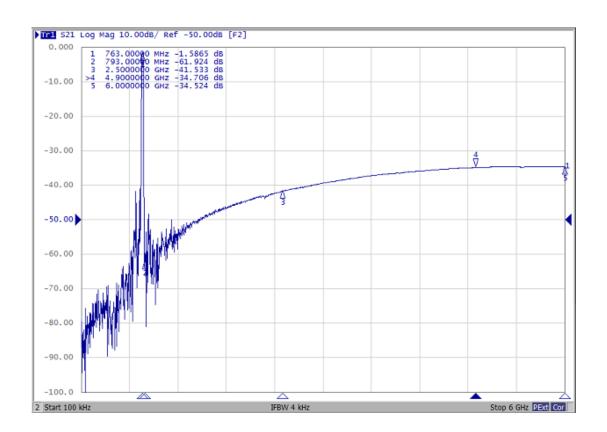


Frequency Characteristics

Passband

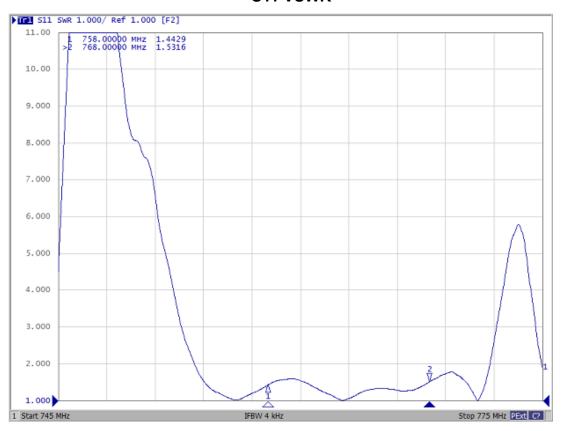




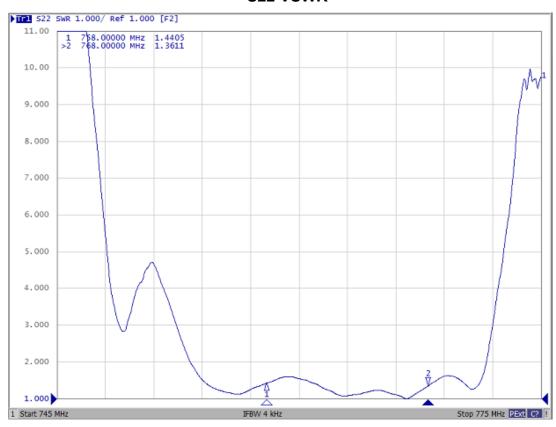


Reflection Functions:

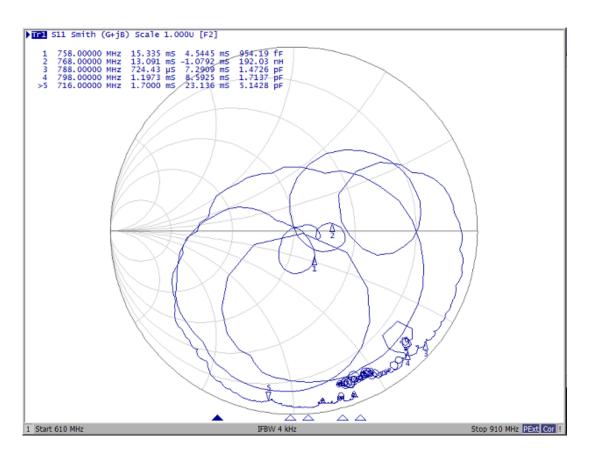
S11 VSWR



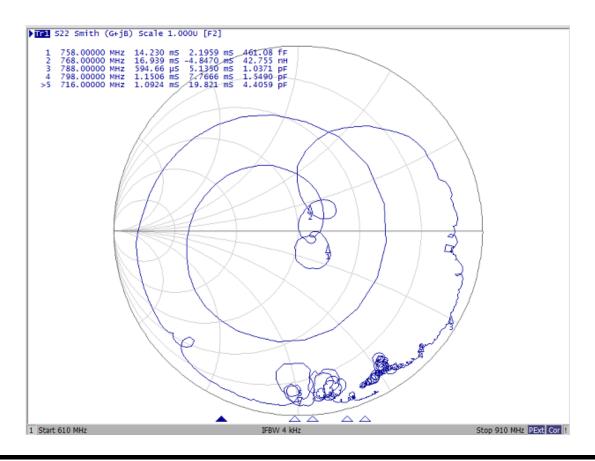
S22 VSWR



S11 Smith Chart

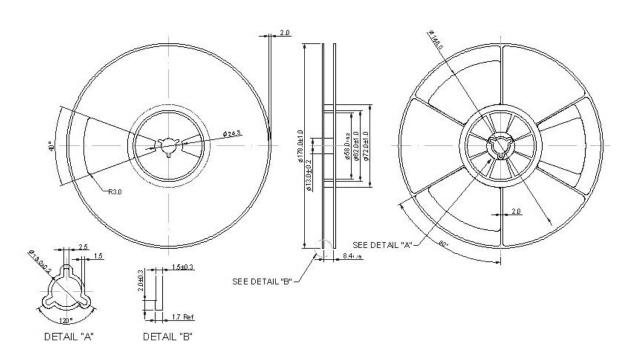


S22 Smith Chart

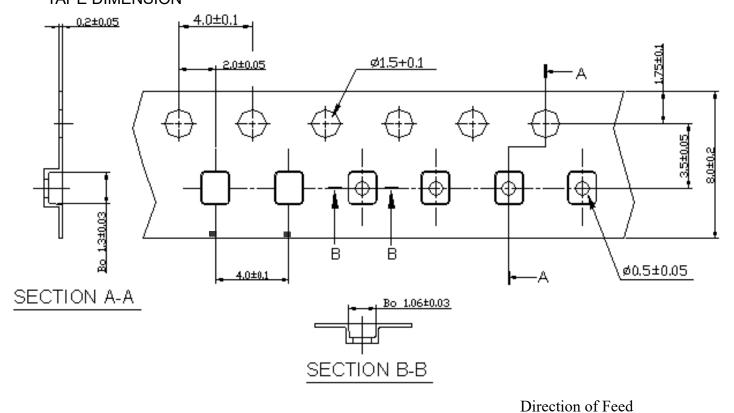


PACKING REEL DIMENSION

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.

