



SF2532LM

MAXIMUM RATING:

Maximum input power: +10 dBm (In Passband)

• Maximum DC Voltage: +/-5 V (Device only)

• Operating temperature: -20 °C to +85 °C

• Device storage temperature: -40 °C to +100 °C

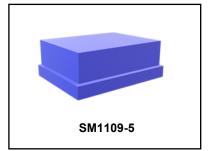
• Moisture Sensitive Level: Level 1

• ESD 100V(MM) 200V(HBM)

ELECTRICAL CHARACTERISTICS:

Terminating source impedance: Zs = 50Ω (Single-ended) Terminating load impedance: $ZL = 50 \Omega$ (Single-ended)

942.5 MHz **SAW Filter**



Parameters Description			Unit	Min.	Тур.	Max.	Remark
Center Frequency			MHz	-	942.5	-	
Insertion Loss(*1)		925~960 MHz	dB	-	2.0	3.0	
Amplitude Ripple		925~960 MHz	dB	-	1.3	2.3	
VSWR	Input	925~960 MHz	-	-	1.9	2.3	
	Output	925~960 MHz	-	-	2.0	2.3	
Attenua	tion:						
880~915 MHz			dB	46	48	-	
980~1558 MHz			dB	15	26	-	
1559~1607 MHz			dB	40	51	-	
1850~1920 MHz			dB	35	44	-	
2400`2500 MHz			dB	30	38	-	
2775~2880 MHz			dB	28	36	-	
3700~3840 MHz			dB	25	32	-	
4625~4800 MHz			dB	20	30	-	
4900~5950 MHz			dB	18	27	-	
5550~5725 MHz			dB	18	27	-	
6475~6720 MHz			dB	15	25	-	
7400~7680 MHz			dB	15	23	-	

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

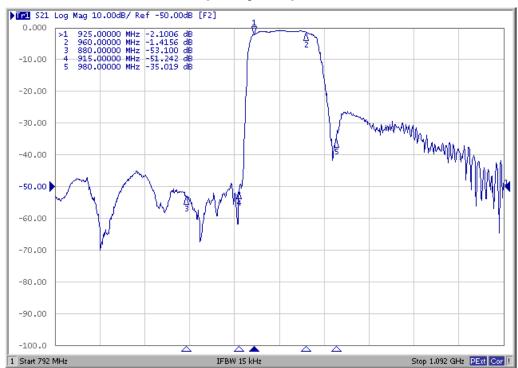


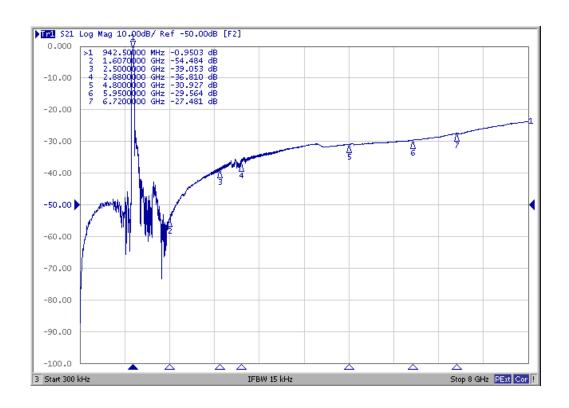
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

- 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 CHARACTERISTICS:

Frequency Response

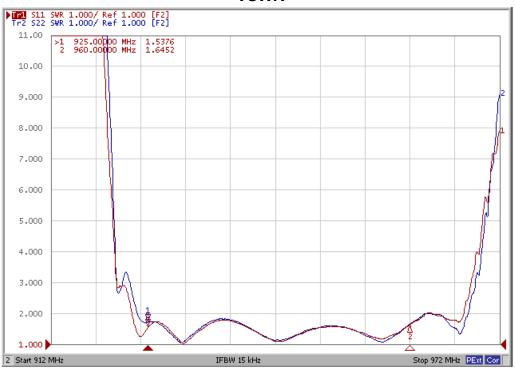




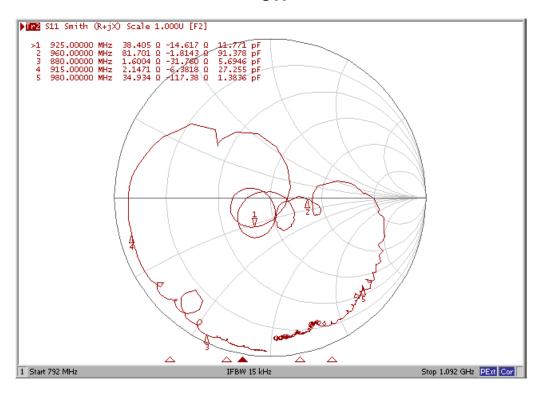
Ripple



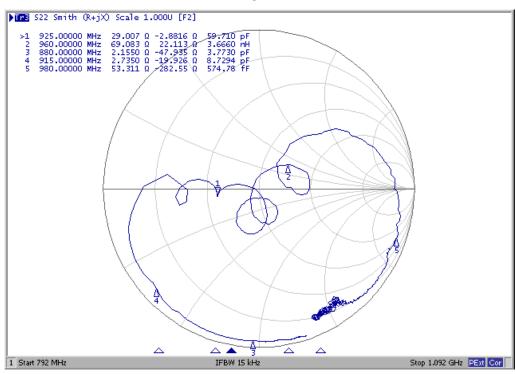
VSWR



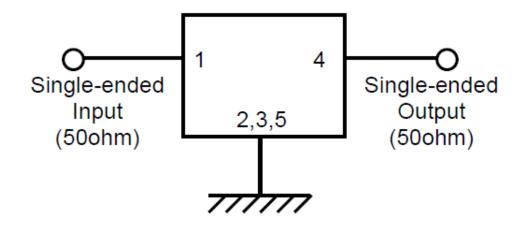
S11



S22

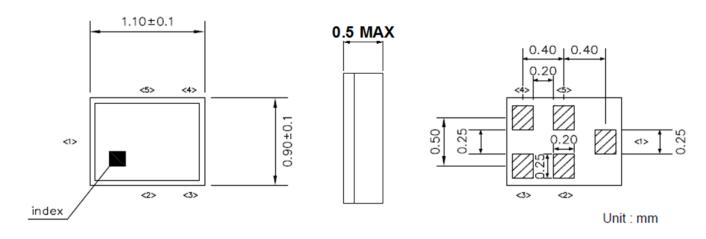


MEASUREMENT CIRCUIT:



OUTLINE DRAWING:

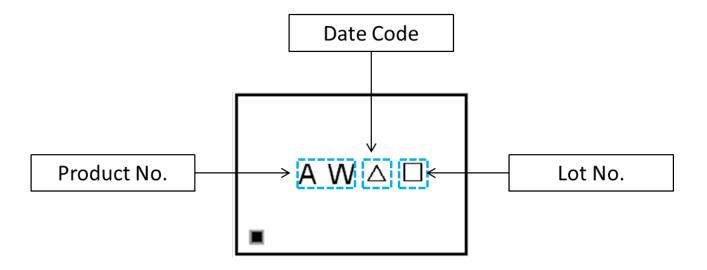
Device size: 1.1typ. x 0.9typ. x 0.5max



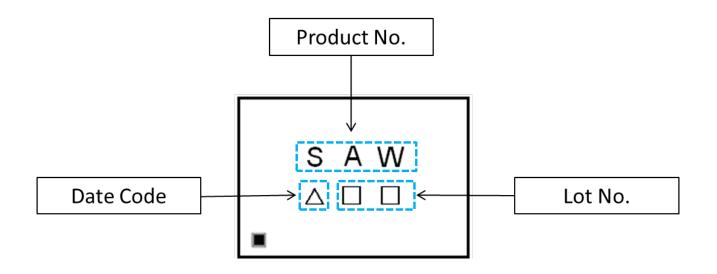
Pin Configuration

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 (Sample Production):



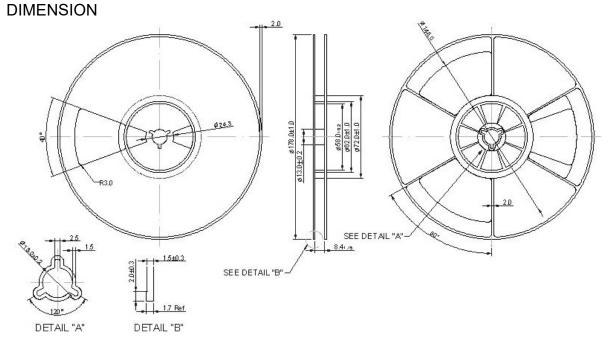
Top View (Mass Production):



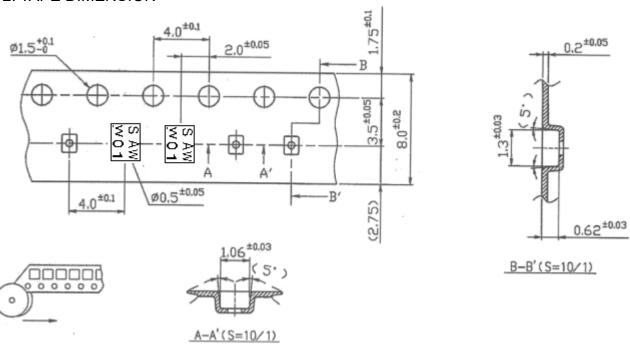
PACKING:

Reel Count: 7" = 5000

1. REEL



2. 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.

