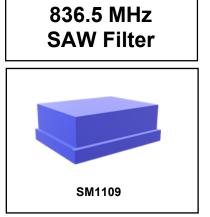




MAXIMUM RATING

- Maximum Input Power: 13 dBm(in passband)
- Operating Temperature: -30 °C to +85 °C
- Storage Temperature: -40 °C to +100 °C
- ESD: 100 V(MM), 200 V(HBM)
- Moisture Sensitive Level: Level 1(MSL1)



SF2545LM

ELECTRICAL CHARACTERISTICS

Terminating source impedance: Zs = 50 Ω

Terminating load impedance: $Z_{L} = 50 \Omega$

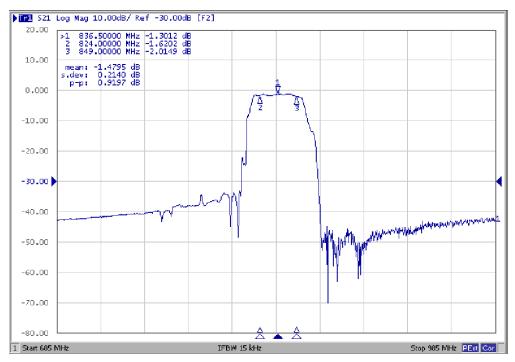
Param	neters Description	Unit	Minimum	Typical	Maximum	
Center Frequency			-	836.5	-	
Insertion Loss	824~849 MHz	dB	-	1.9	2.3	
Amplitude ripple	824~849 MHz	dB _{p-p}	-	0.8	1.3	
VSWR(Input)	824~849 MHz	-	-	2.0	2.3	
VSWR(Output)	824~849 MHz	-	-	2.0	2.3	
Attenuation:						
DC~750 MHz			35	41	-	
750~800 MHz		dB	28	34	-	
869~894 MHz		dB	40	45	-	
894~1050 MHz		dB	38	42	-	
1050~1210 MHz		dB	35	40	-	
1210~1580 MHz	dB	30	35	-		
1580~2000 MHz		dB	28	32	-	
2000~3000 MHz		dB	23	27	-	
3000~6000 MHz		dB	12	18	-	

Notes: (1) No Matching Network.

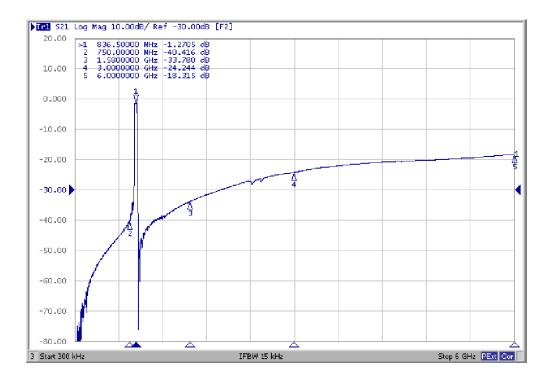
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

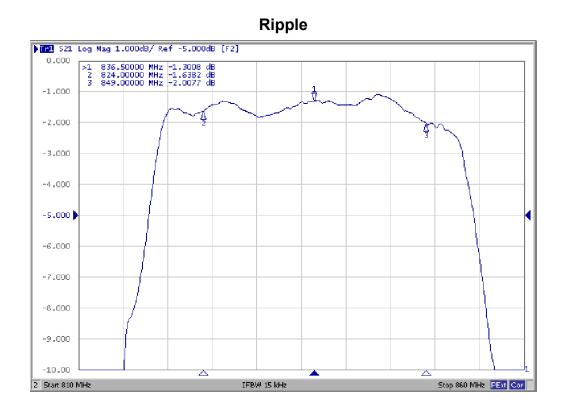
- 1. The design, manufacturing process, and specifications of this device are subject to change.
- 2. US or International patents may apply.
- 3. RoHS compliant from the first date of manufacture.

FREQUENCY CHARACTERISTIC:

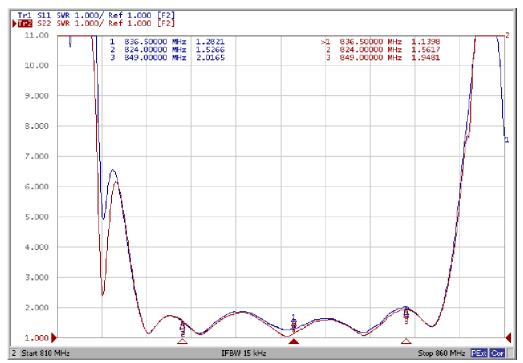


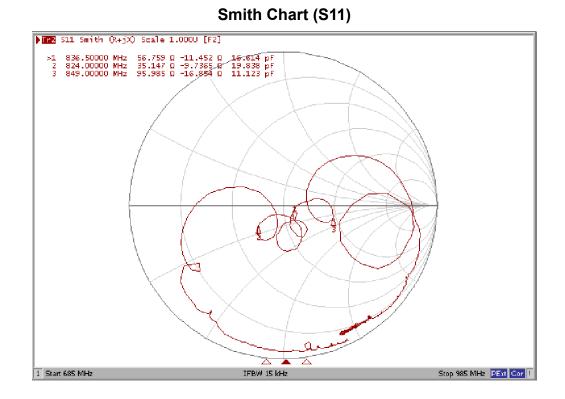
Frequency Response



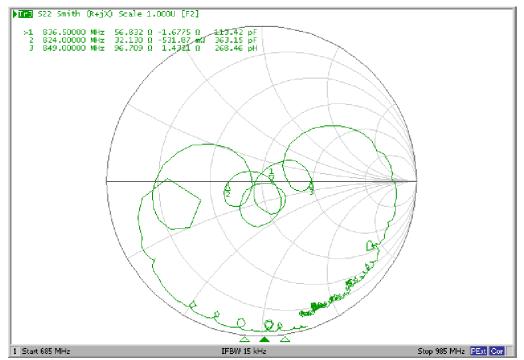


VSWR

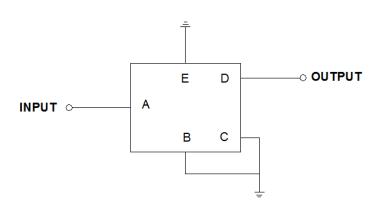




Smith Chart (S22)

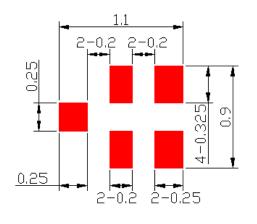


MEASUREMENT CIRCUIT:



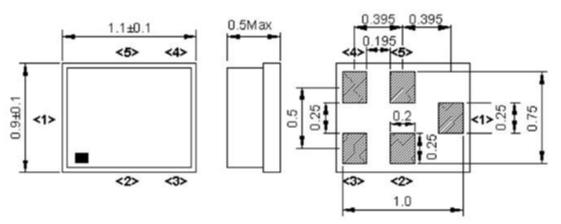
Source & Load Impedance: 50 Ω

PCB Footprint:





OUTLINE DRAWING:

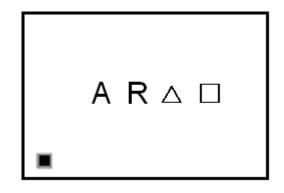


Not Specified Tolerance : +/-0.1 mm

Pin Configuration

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

Top View (Sample Production):



Top View (Mass Production):



\bigtriangleup : Date Code

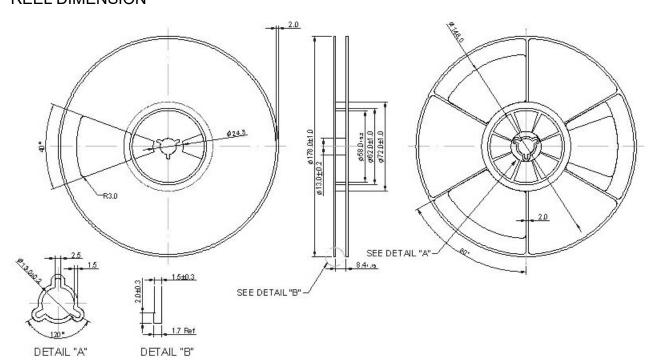
□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and I)

Date Code:

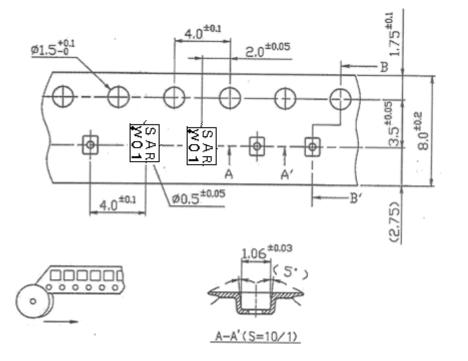
Year	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2015	а	b	С	d	e	f	g	h	j	k		m
2016	n	р	q	r	s	t	u	v	>	x	У	z
2017	Α	В	С	D	E	F	G	Н	J	K	L	Μ
2018	Ν	Р	Q	R	S	Т	U	∇	W	Х	Y	Z

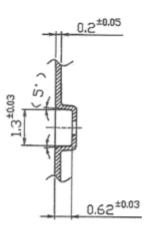
Reel Count 7" = 3000 13" = 10,000

PACKING: REEL DIMENSION



TAPE DIMENSION





B-B'(S=10/1)

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.

