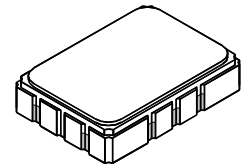


SF2624B

46.2 MHz
SAW Filter



SMP-03

MAXIMUM RATING:

1. Operating temperature range: -55°C to 85°C
2. Storage temperature range: -55°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V
5. Moisture Sensitivity Level: 1
6. AEC-Q200 Qualified

Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, F_c	MHz	-	46.2	-
Insertion Loss, IL	dB	-	11.3	14.0
1dB Bandwidth	MHz	-	5.1	-
40dB Bandwidth	MHz	-	11.7	-
Passband Ripple F_c± 1.5MHz	dB	-	0.65	1.20
Absolute group Delay	us	-	0.72	-
Group Delay variation F_c± 1.5MHz	ns	-	90	-
Attenuation (Reference level from minimum Insertion loss)				
54.2MHz~84.2MHz	dB	30	40	-
Temperature Coefficient	ppm/°C	-	-94	-
Source Impedance	Ohm	-	200	-
Load Impedance	Ohm	-	200	-



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 :

(1) Wide band Response:

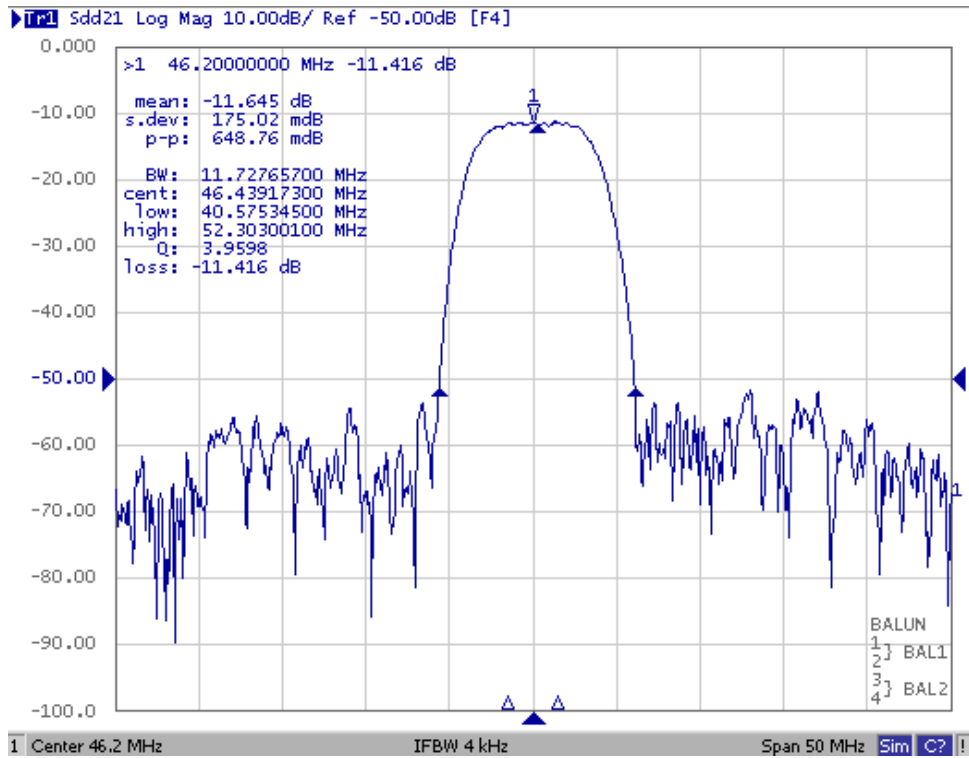


Fig1. Horizontal: 5MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Delay Response:

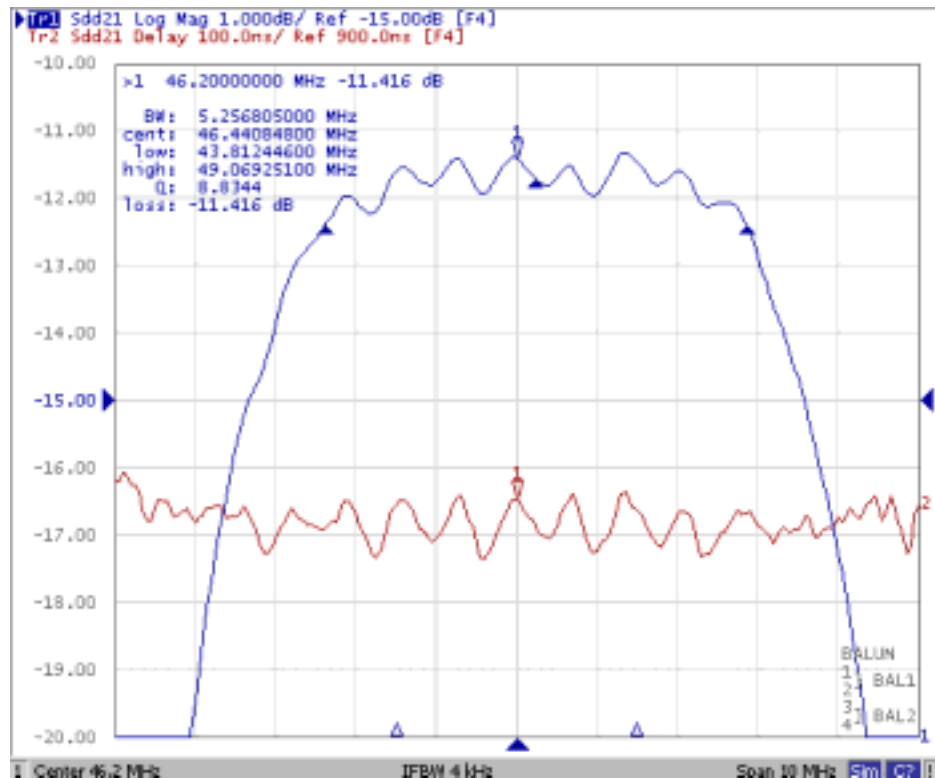
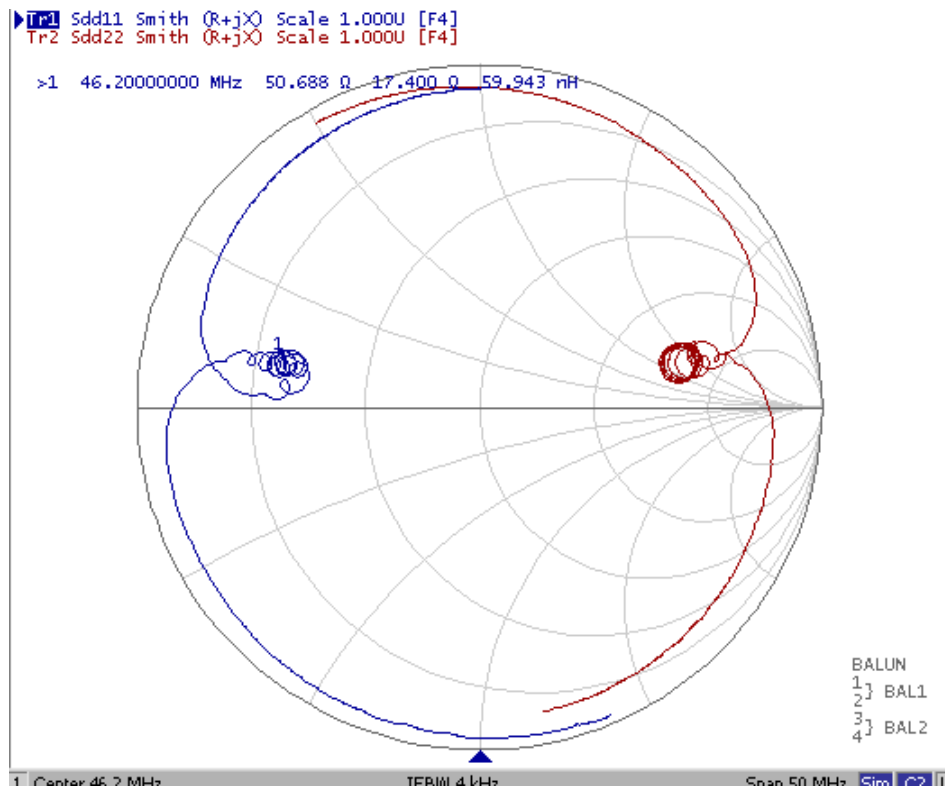
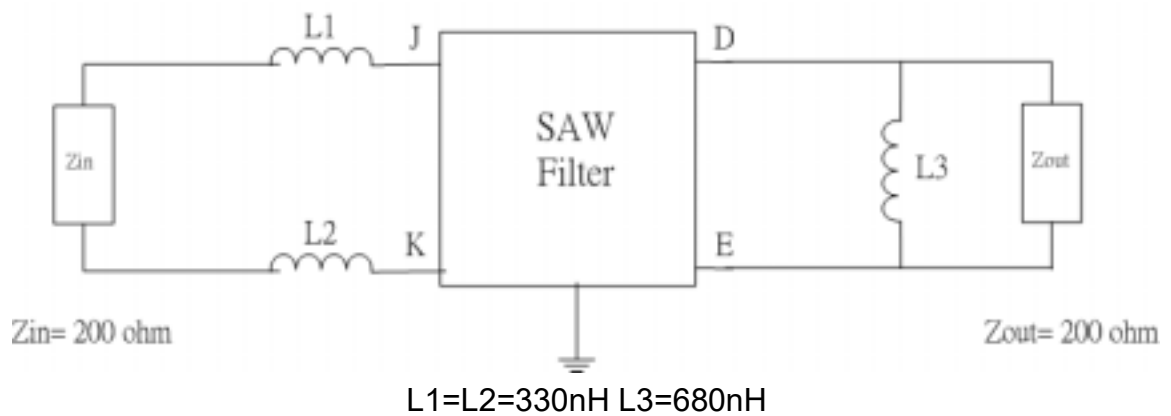


Fig2. Horizontal: 1MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

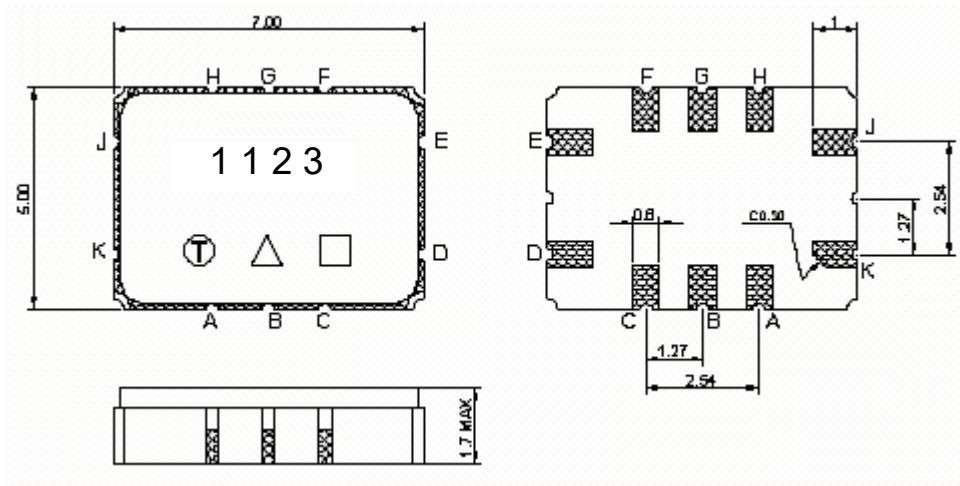
(3) Smith Chart



Matching Circuit:



Outline Drawing:



Pin J –RF input

Pin K –RF balance input or to be ground

Pin D –RF output

Pin E –RF balance output or to be ground

Pin A,B,C,F,G,H - Ground

□ : Week Code (Follow the table from planner each year)

Unit : mm

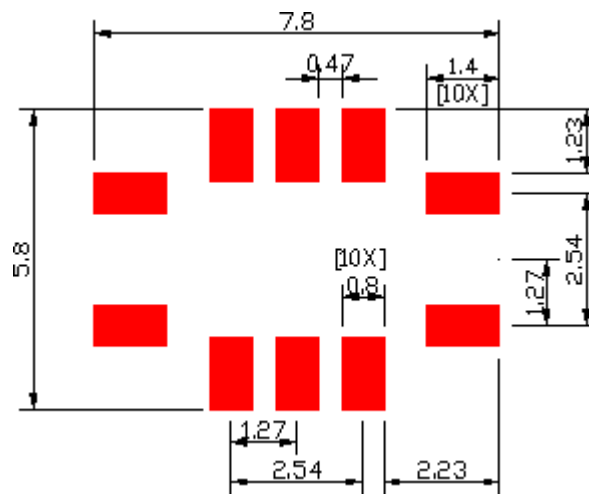
△ : Product / Year Code

Year	2013 2017	2014 2018	2015 2019	2016 2020
Product Code	B	b	<u>B</u>	<u>b</u>

Week Code Table

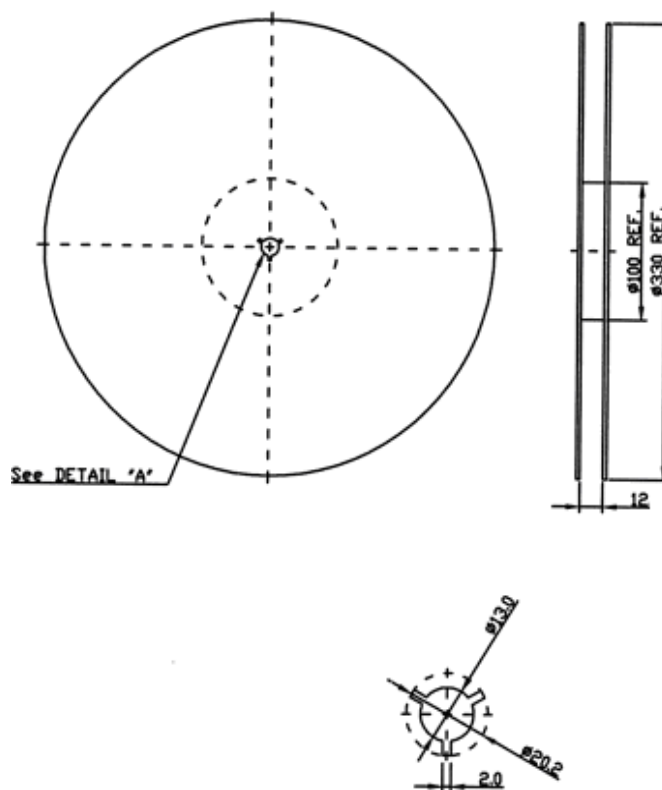
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

PCB Footprint:

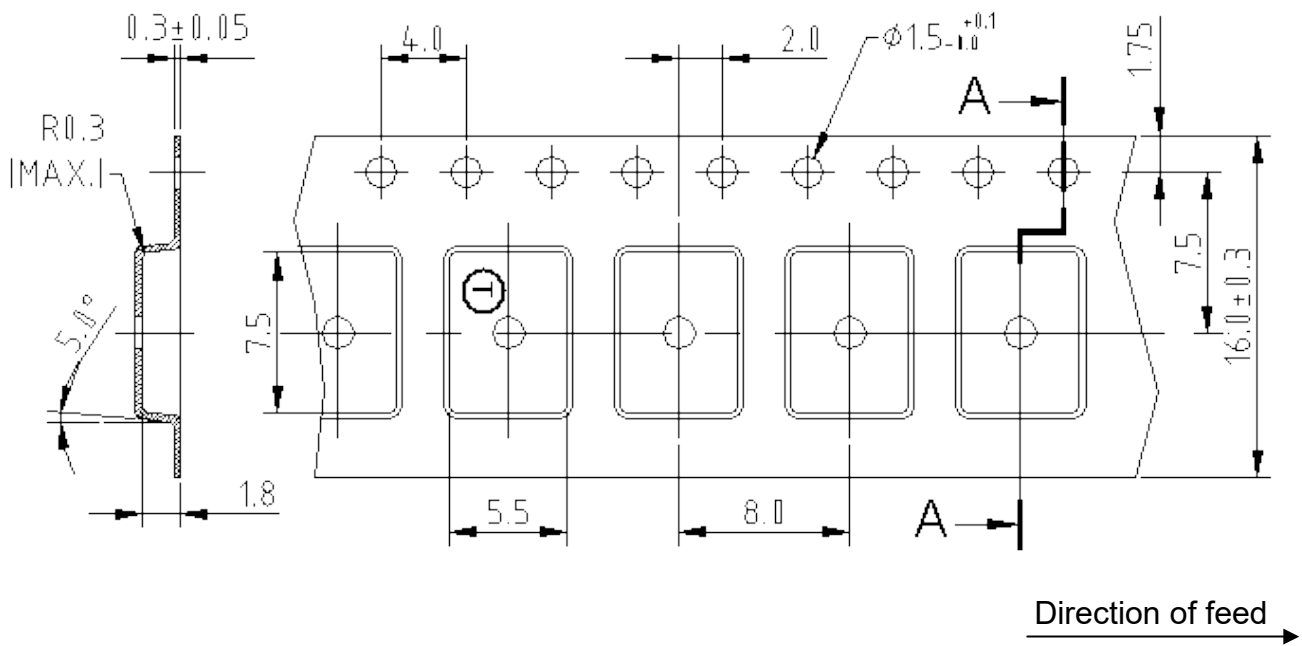


PACKING:

Reel Count:
 7" = 1000
 13" = 2000



2. TAPE DIMENSION



RECOMMENDED REFLOW PROFILE :

