



Datasheet of SAW Device

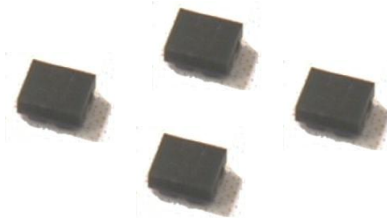
SAW Single Filter

for Band7 / Balanced / 5pin / 1109

Murata PN: SAFFB2G65FB0F0A

■ Feature

- Diversity filter for B7
- Low insertion loss 2.8dBmax.
- High attenuation on Tx 46dBmin



Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAFFB2G65FB0F0A (Band7 / Balanced / 5pin / 1109)

Revision No.	Date	Discription
SAFFB2G65FB0F0A_rev. A	Dec-17-2012	■ Initial Release

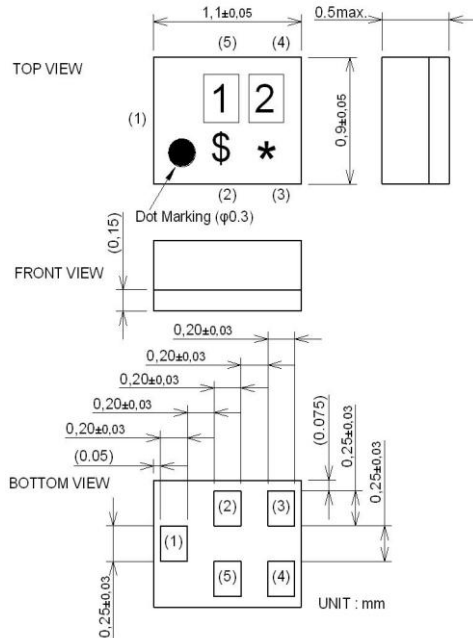
- Operating temperature : -30 to +85 deg.C
- Storage temperature : -40 to +85 deg.C
- Input Power : +10 dBm 8000 h
- D.C. Volatage between the terminals : 3V (25+/-2 deg.C)
- Minimum Resistance between the terminals : 10M ohm
- RoHS compliance : Yes

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Package Dimensions & Recommended Land Pattern

unit: mm

Dimensions



Marking : Laser Printing

* : Month code(Refer to the table A)

\$: Date code(Refer to the table B)

1 : T

2 : Z

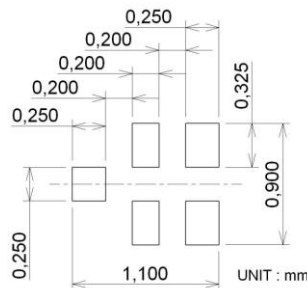
Terminal Number

(1) :Unbalance Port

(3)(4) :Balance Port

Others : GND.

Land Pattern

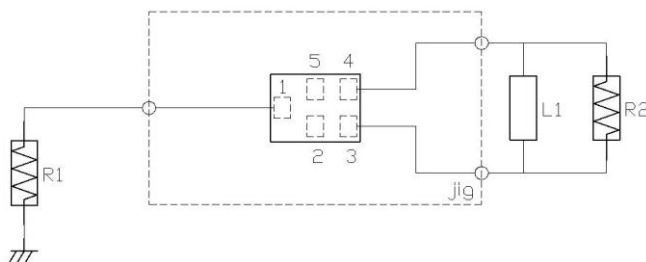


Measurement Circuit (Top View)

R1 : 50 ohm

R2 : 100 ohm

L1 : 22 nH(Ideal inductor)



Electrical Characteristic < Single Filter >

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Matching Impedance (nominal)

- :Unbalance Port : 50 ohm
- :Balance Port : 100 ohm // 22 nH(Ideal inductor)

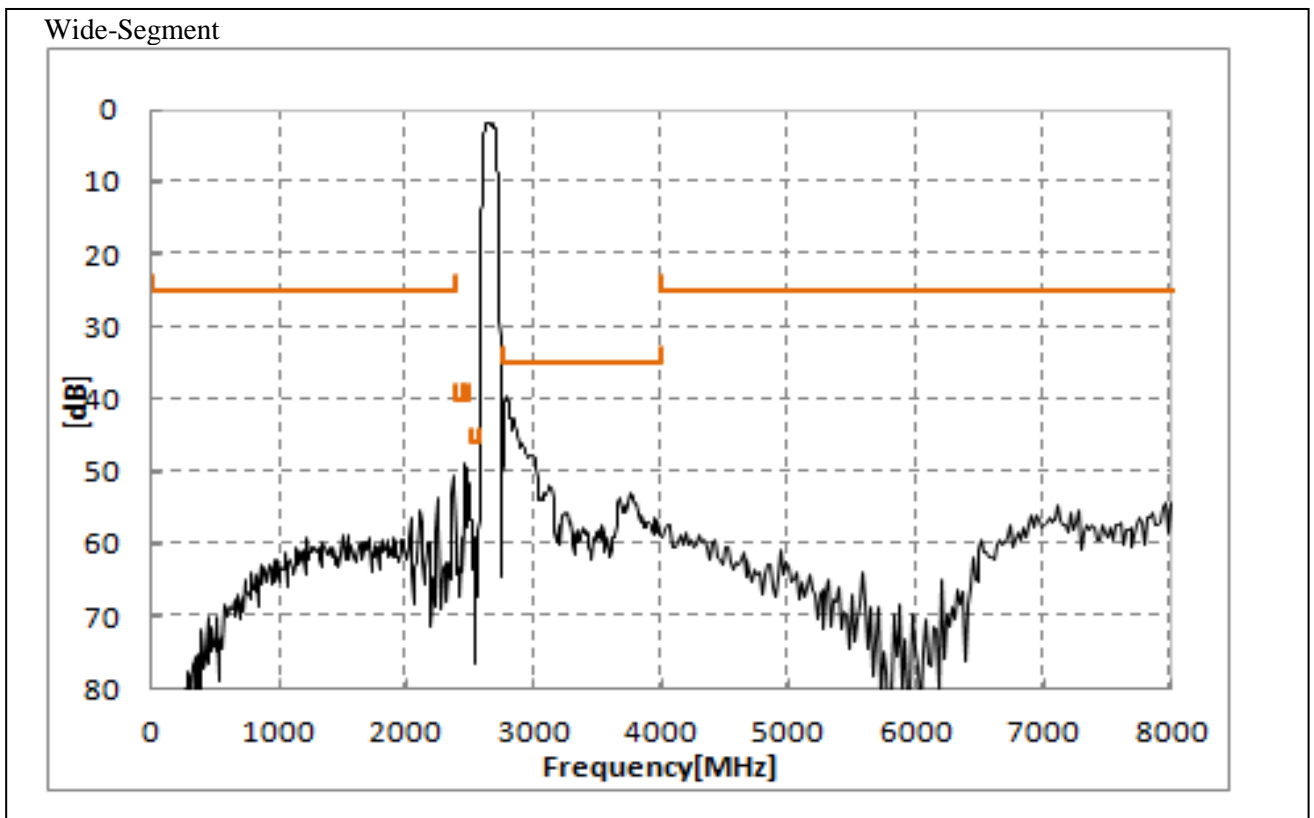
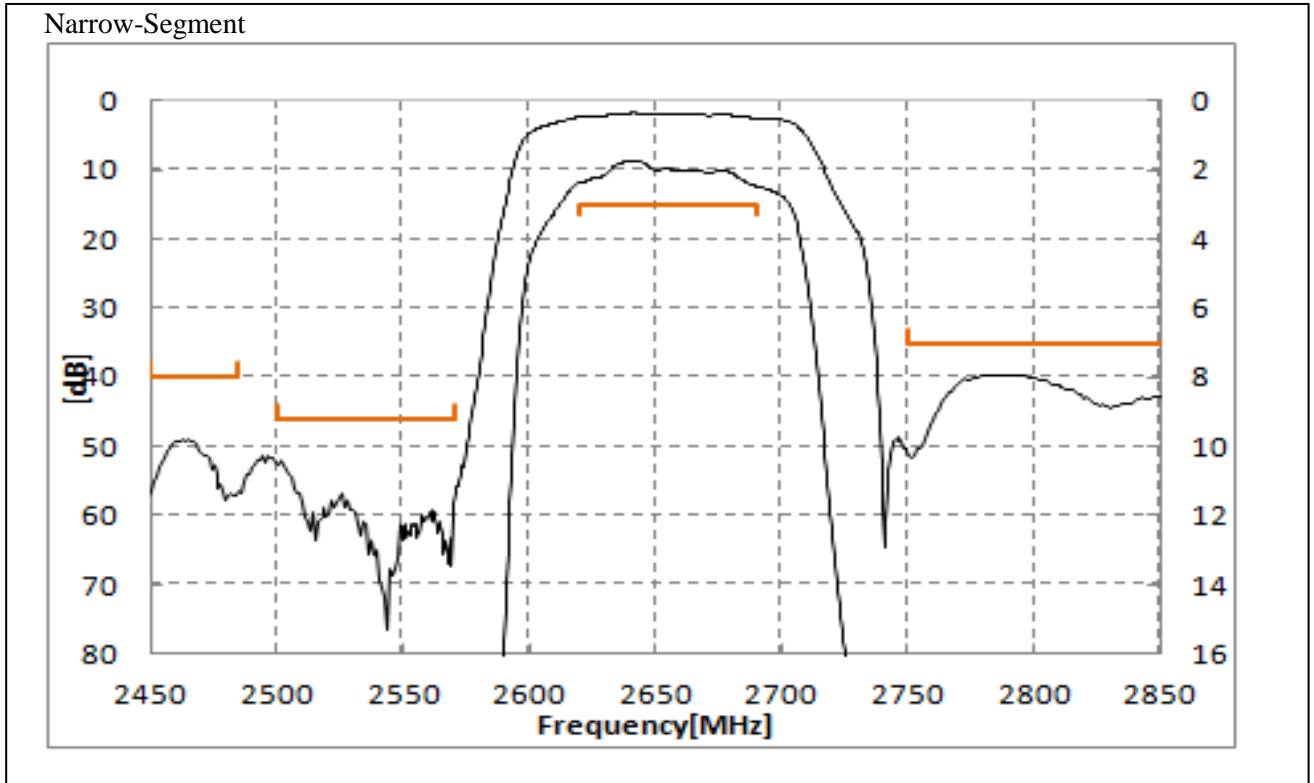
Item		Characteristics (-30 to +85 deg.C)			Unit	Note
		min.	typ.	max.		
Center Frequency			2655		MHz	
Insertion Loss	2620. to 2690. MHz		2.5	3	dB	
	2620. to 2690. MHz		2.5	2.8		
Ripple Deviation	2620. to 2690. MHz		0.9	1.5	dB	+23 to +27deg.C
	2620. to 2690. MHz		0.9	1.2		
VSWR	2620. to 2690. MHz		1.6	2.0		
	2620. to 2690. MHz		1.6	1.8		
Amplitude Balance	2620. to 2690. MHz	-1.4	0.9	1.4	dB	+23 to +27deg.C
	2620. to 2690. MHz	-1.2	0.9	1.2		
Phase Balance	2620. to 2690. MHz	168	187	192	deg.	+23 to +27deg.C
	2620. to 2690. MHz	170	187	190		
Absolute Attenuation	1. to 2000. MHz	40	55		dB	
	2000. to 2380. MHz	25	42			
	2380. to 2450. MHz	40	50			
	2450. to 2484. MHz	40	48			
	2500. to 2570. MHz	46	52			
	2750. to 4000. MHz	35	39			
	4000. to 12750. MHz	25	40			

* Typical value at 25±2deg.C

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Electrical Characteristic

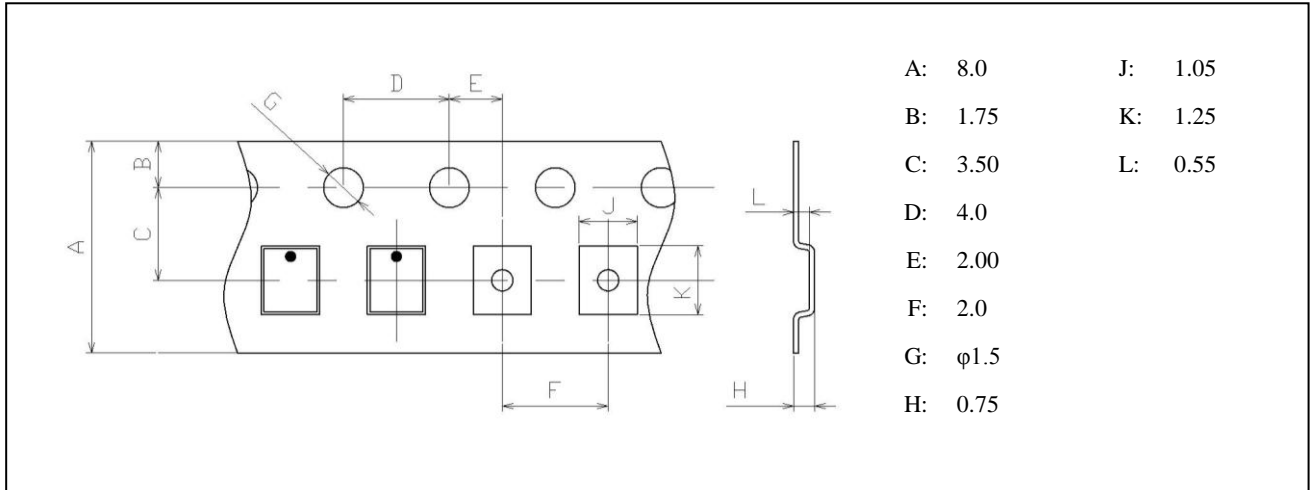
< Single Filter >



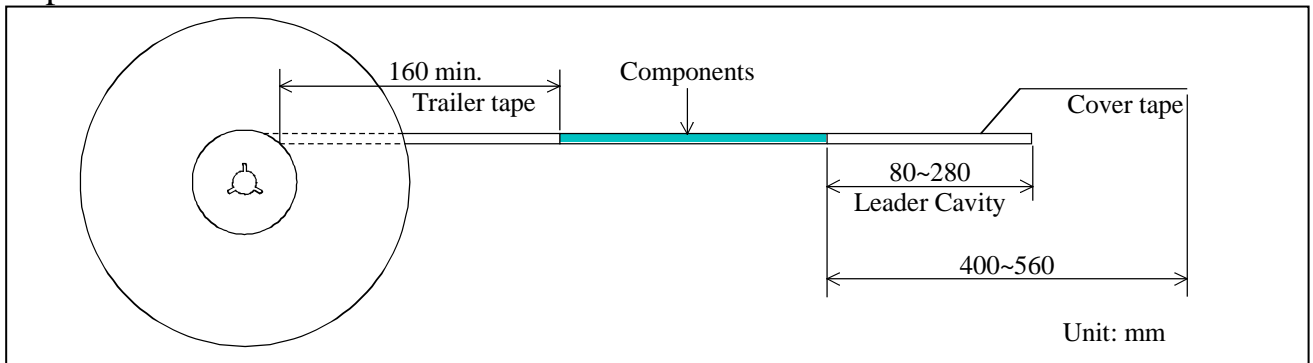
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Dimensions of Tape & Reel unit: mm

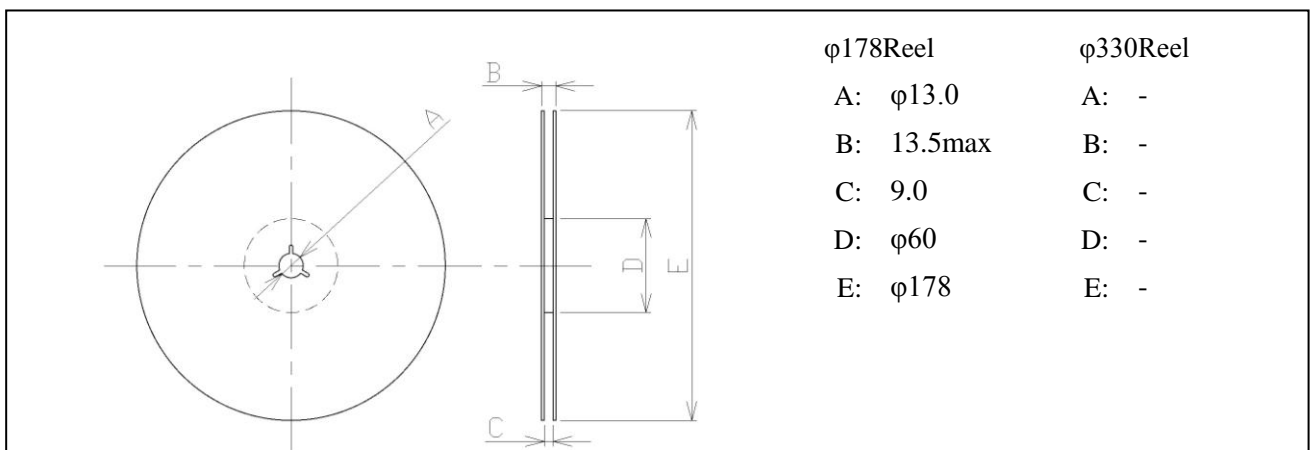
Carrier Tape



Tape



Reel



- SAFFB2G65FB0F0AR1X... 10000pcs (φ178)
- SAFFB2G65FB0F0AR15... 5000pcs (φ178)
- SAFFB2G65FB0F0AR1S... sample Order (φ178)

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Marking Code

Table A: Month Code

2009	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2013	A	B	C	D	E	F	G	H	J	K	L	M
2017												
2010	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2018												
2011	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2015	a	b	c̄	d	e	f	g	h	j	k	l	m
2019												
2012	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2016	n	p	q	r	s	t	u	v	w	x	y	z
2020												

Table B: Date Code

date	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
code	A	B	C	D	E	F	G	H	J	K	
date	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	
code	L	M	N	P	Q	R	S	T	U	V	
date	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
code	W	X	Y	Z	a	b	c̄	d	e	f	g

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- Power plant control equipment - Medical equipment.
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
- Traffic signal equipment.
- Disaster prevention / crime prevention equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.

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- deviation or lapse in function of engineering sample,
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