



Datasheet of SAW Device

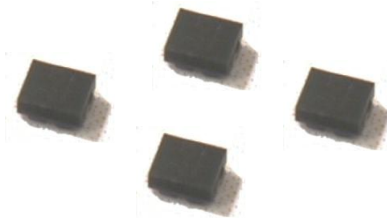
SAW Single Filter

for Band40 / Unbalanced / 5pin /1109

Murata PN: SAFFB2G35AA0F0A

■ Feature

- Smallest Package Size
- Low I.L.



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

Please also read caution at the end of this document.

SAFFB2G35AA0F0A (Band40 / Unbalanced / 5pin / 1109)

Revision No.	Date	Discription
SAFFB2G35AA0F0A_rev. A	Jan-29-2013	■ Initial Release

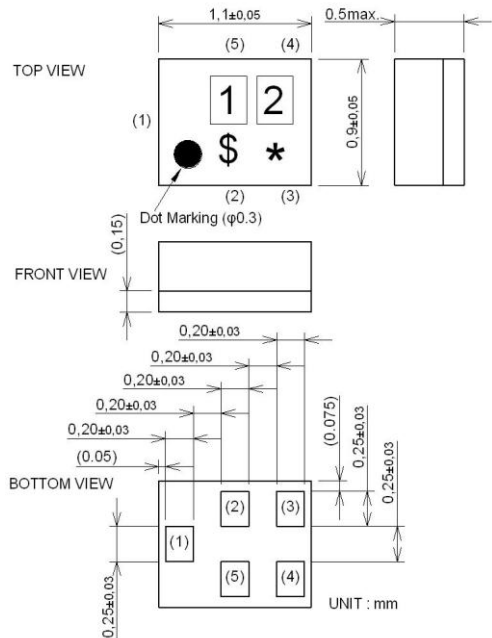
- Operating temperature : -30 to +85 deg.C
- Storage temperature : -40 to +85 deg.C
- Input Power : +10 dBm 8000 h
- D.C. Volatage between the terminals : 3V (25+/-2 deg.C)
- Minimum Resistance between the terminals : 10M ohm
- RoHS compliance : Yes

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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 : X

2 : 6

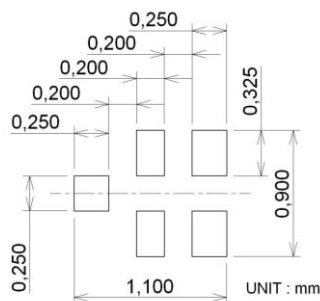
Terminal Number

(1) : Unbalance Port

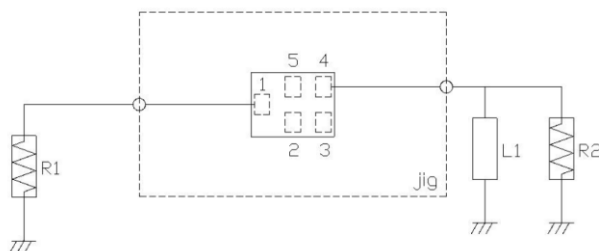
(4) : Unbalance Port

Others : GND.

Land Pattern



Measurement Circuit (Top View)



R1 : 50 ohm

R2 : 50 ohm

L : 3 nH(Ideal inductor)

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Electrical Characteristic < Single Filter >

Matching Impedance (nominal)

- : Unbalance Port : 50 ohm
- : Unbalance Port : 50 ohm // 3 nH(Ideal inductor)

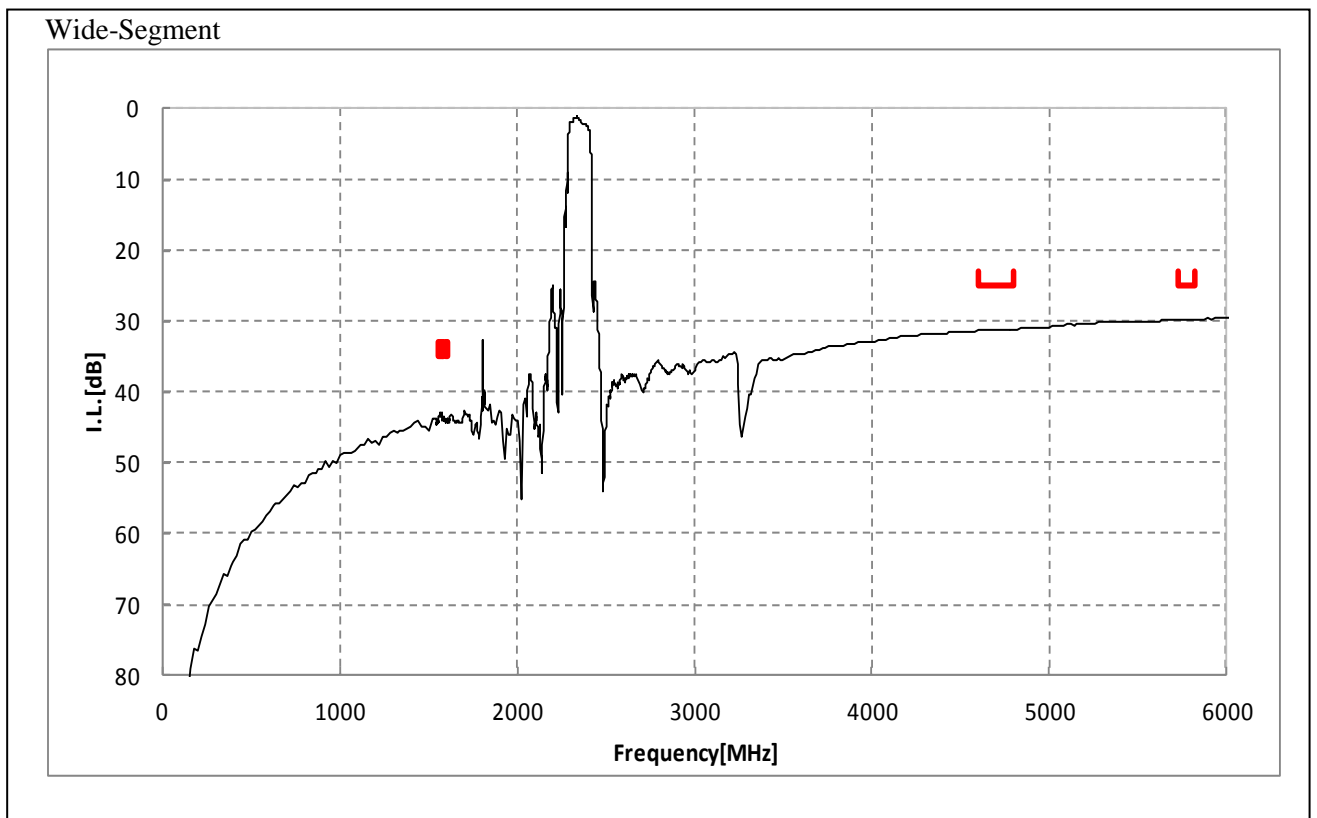
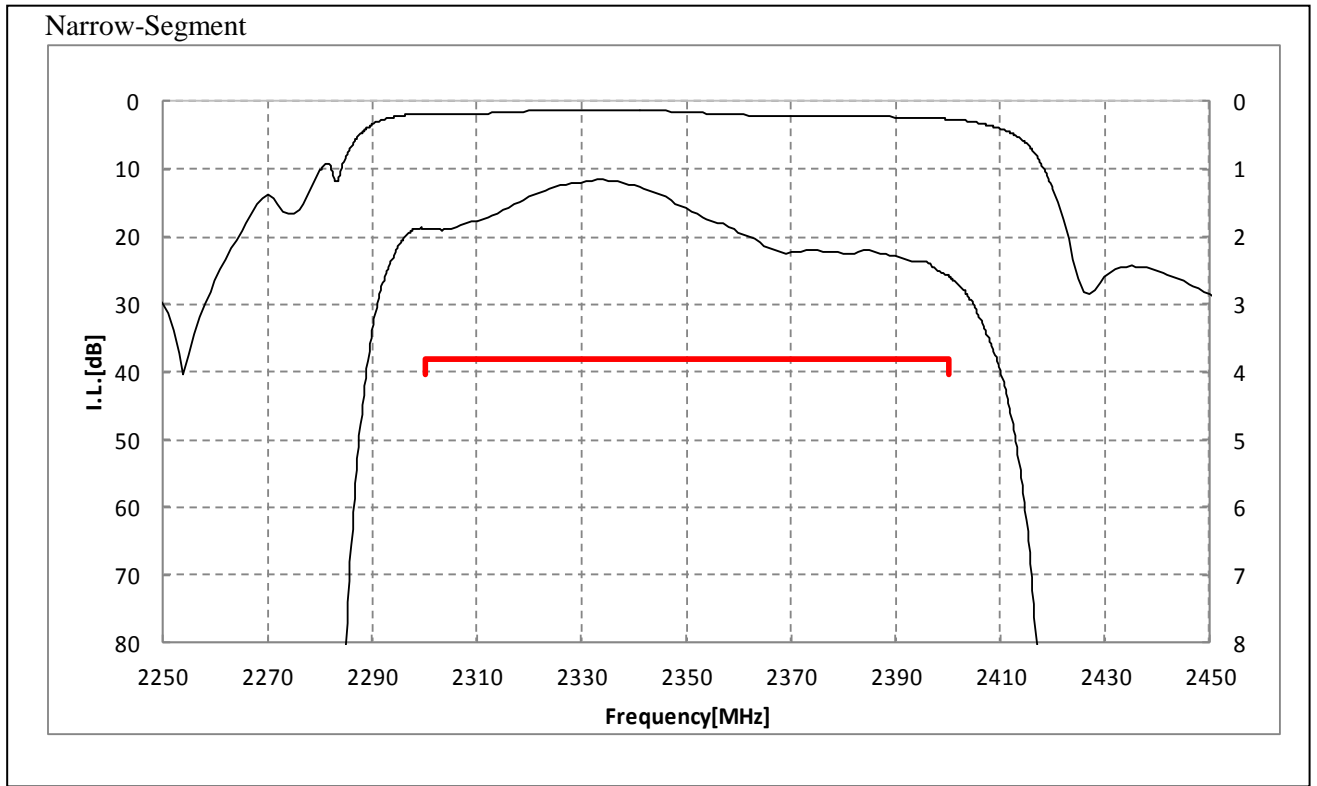
Item	Characteristics			Unit	Note
	(-30 to +85 deg.C)				
	min.	typ.	max.		
Center Frequency		2350		MHz	
Insertion Loss	2300. to 2400. MHz	2.5	3.8	dB	
	2300. to 2400. MHz	2.5	3.0		
Ripple Deviation	2300. to 2400. MHz	1.3	2.6	dB	+23 to +27deg.C
VSWR	2300. to 2400. MHz	2.2	2.7		
Absolute Attenuation	1559. to 1563. MHz	35	43	dB	
	1565. to 1573. MHz	35	43		
	1573. to 1577. MHz	35	43		
	1577. to 1585. MHz	35	43		
	1598. to 1606. MHz	35	43		
	4600. to 4800. MHz	25	30		
	5725. to 5825. MHz	25	30		
	6900. to 7200. MHz	23	28		
	9200. to 9600. MHz	15	27		
	11500. to 12000. MHz	10	18		

* Typical value at 25±2deg.C

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Electrical Characteristic

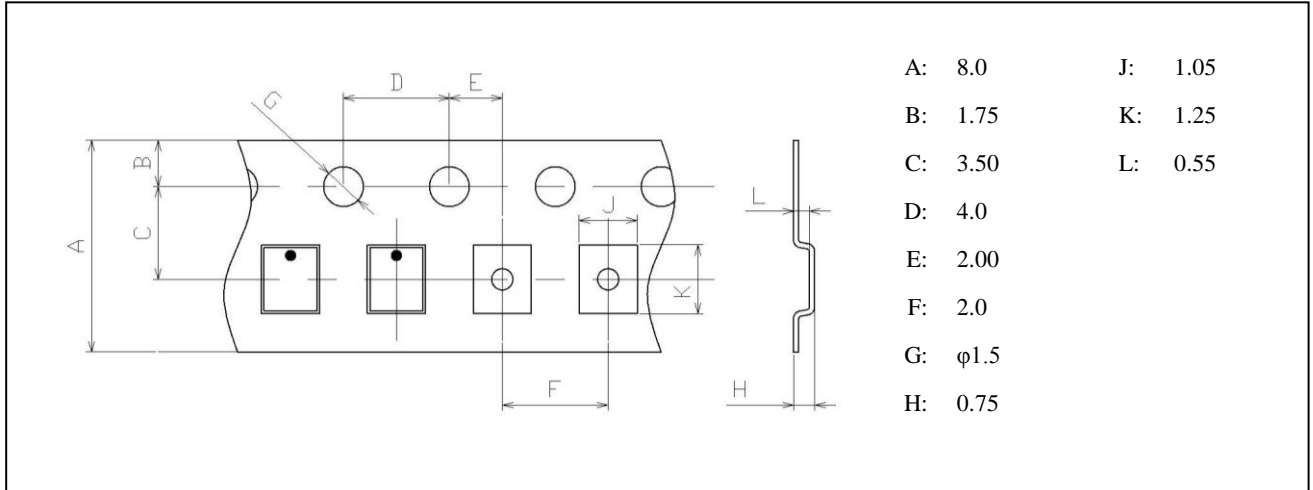
< Single Filter >



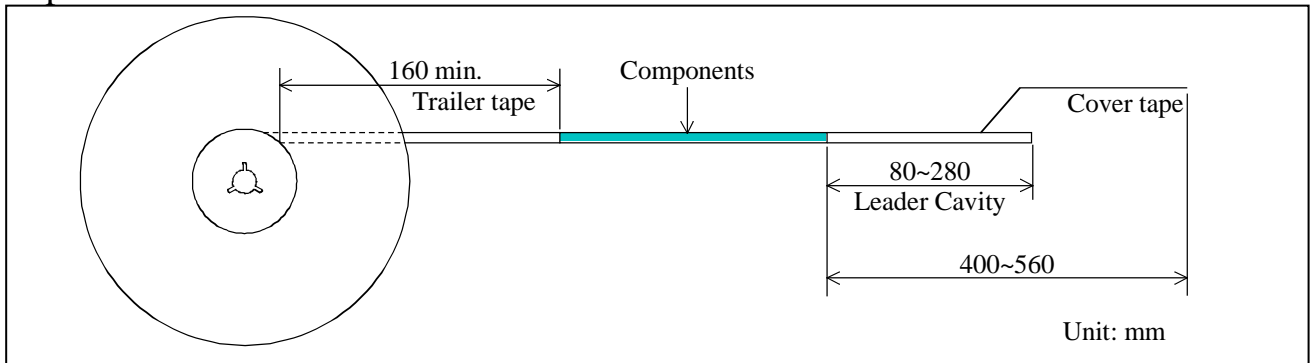
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Dimensions of Tape & Reel unit: mm

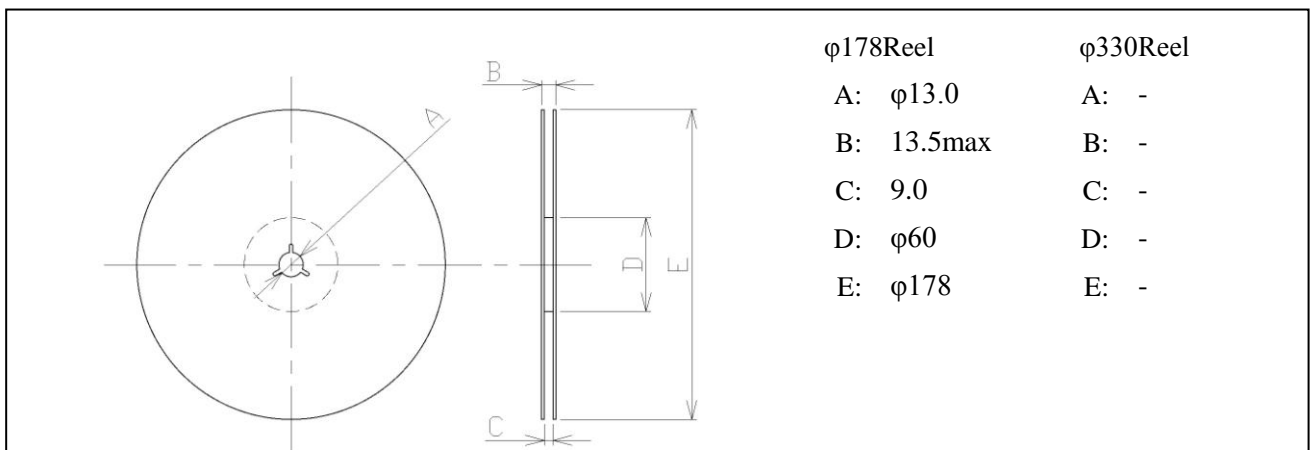
Carrier Tape



Tape



Reel



- SAFFB2G35AA0F0AR1X... 10000pcs ($\phi 178$)
- SAFFB2G35AA0F0AR15... 5000pcs ($\phi 178$)
- SAFFB2G35AA0F0AR1S... sample Order ($\phi 178$)

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Marking Code

Table A: Month Code

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

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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Please make sure that your product has been evaluated and confirmed from the aspect of the fitness for the specifications of our product when our product is mounted to your product.

All the items and parameters in this product specification/datasheet/catalog have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment specified in this specification. You are requested not to use our product deviating from the condition and the environment specified in this specification.

Please note that the only warranty that we provide regarding the products is its conformance to the specifications provided herein. Accordingly, we shall not be responsible for any defects in products or equipment incorporating such products, which are caused under the conditions other than those specified in this specification.

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The product shall not be used in any application listed below which requires especially high reliability for the prevention of such defect as may directly cause damage to the third party's life, body or property. You acknowledge and agree that, if you use our products in such applications, we will not be responsible for any failure to meet such requirements.

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- Aerospace equipment
- Undersea equipment.
- 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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- improper use of engineering samples.

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