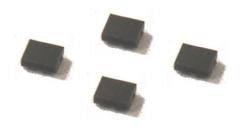


Data Sheet of SAW Components



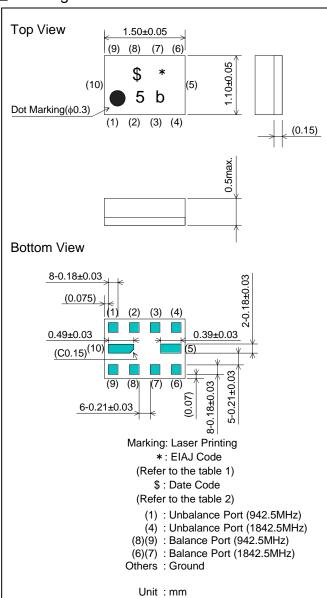
Note: Murata SAW Component is applicable for Cellular/Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.



Murata part number : SAWFD942MCM0F0A (fc=942.5MHz)

Package Dimensions



Specification

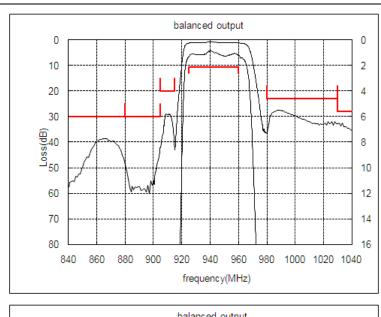
		4		Specification					
		lte	m	-30 to 85°C	25±2°C	typ.			
Nomin	al Cente	r Fre	equency(fc)	942.5MHz					
	on Loss o 960MH	łz)		2.1 dB max.	1.3 dB				
Absol	ute Atte	nuati	on						
1)	0.1	to	480 MHz	45 dB min.	45 dB min.	60 dB			
2)	480	to	880 MHz	30 dB min.	30 dB min.	42 dB			
3)	880	to	905 MHz	30 dB min.	30 dB min.	45 dB			
4)	905	to	915 MHz	20 dB min.	23 dB min.	33 dB			
5)	980	to	1030 MHz	23 dB min.	23 dB min.	27 dB			
6)	1030	to	1850 MHz	28 dB min.	28 dB min.	32 dB			
7)	1850	to	1920 MHz	40 dB min.	40 dB min.	66 dB			
8)	1920	to	2400 MHz	40 dB min.	40 dB min.	59 dB			
9)	2400	to	2500 MHz	40 dB min.	40 dB min.	59 dB			
10)	2500	to	6000 MHz	40 dB min.	40 dB min.	47 dB			
	Deviation o 960MH			1.5 dB max.	1.2 dB max.	0.5 dB			
VSWF (925 t	R o 960M⊦	łz)		2.1 max. 2.0 max.		1.7			
	ude Bala o 960MH			±1.0dB max. ±1.0dB max.		+0.5dB			
	Balance	-		180±10deg. 180±10deg. max.		180+3deg.			
(nomir	nal)		tching Impedance	50Ω					
Baland (nomin		/latcl	ning Impedance	150Ω//56nH					
Input S	Signal Le	evel		31.6mW (+15dBm), 2000 hours					

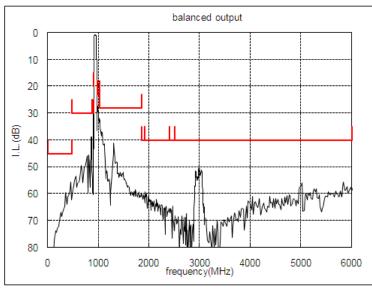
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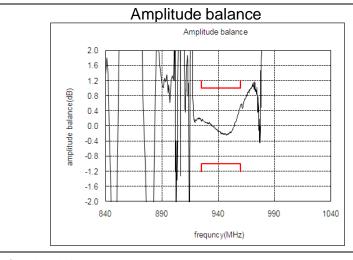


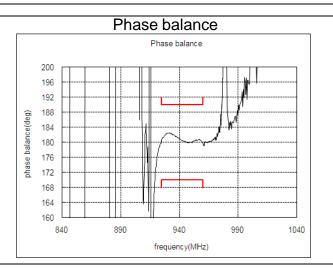
Murata part number : SAWFD942MCM0F0A (fc=942.5MHz)

■ Frequency Performance







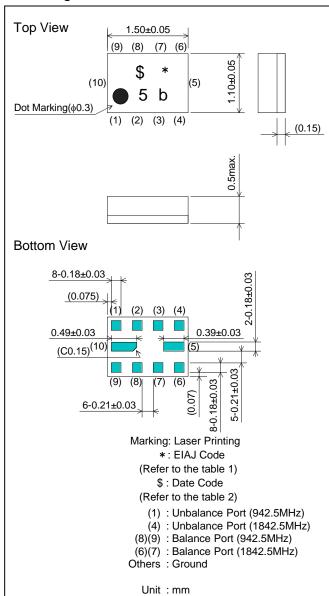


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Murata part number: SAWFD942MCM0F0A (fc=1842.5MHz)

Package Dimensions



Specification

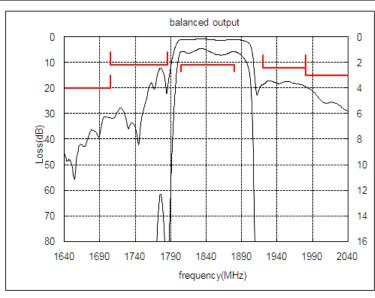
		и.		Specification					
		lte	m	-30 to 85°C	25±2°C	typ.			
Nomin	al Cente	r Fre	equency(fc)	1842.5MHz					
	on Loss to 1880)	2.2 dB max.	1.7 dB max.	1.3 dB			
Absol	ute Atte	nuati	ion						
1)	0.1	to	940 MHz	45 dB min.	45 dB min.	50 dB			
2)	940	to	1705 MHz	20 dB min.	20 dB min.	27 dB			
3)	1705	to	1785 MHz	11 dB min.	12 dB min.	14 dB			
4)	1920 to 1980 MHz			12 dB min.	12 dB min. 15 dB min.				
5)	1980 to 2400 MHz			15 dB min.	15 dB min.	19 dB			
6)	2400	to	2500 MHz	30 dB min.	30 dB min.	43 dB			
7)	2500	to	3610 MHz	25 dB min.	25 dB min.	32 dB			
8)	3610	to	3760 MHz	40 dB min.	40 dB min.	56 dB			
9)	3760	to	5415 MHz	30 dB min.	30 dB min.	45 dB			
10)	5415	to	5640 MHz	35 dB min.	35 dB min.	44 dB			
11)	5640	to	6000 MHz	27 dB min.	27 dB min.	38 dB			
	Deviation to 1880)	1.5 dB max.	1.0 dB max.	0.4 dB			
VSWF (1805	₹ to 1880	MHz)	2.2 max.	2.2 max. 2.1 max.				
	ude Bala to 1880			±1.5dB max.	5dB max. ±1.2dB max.				
	Balance to 1880)	180±10deg. max.	180+3deg.				
(nomir	nal)		tching Impedance	50Ω					
Baland (nomin		Matcl	hing Impedance	150Ω//18nH					
Input S	Signal Le	evel		20mW (+13dBm), 2000 hours					

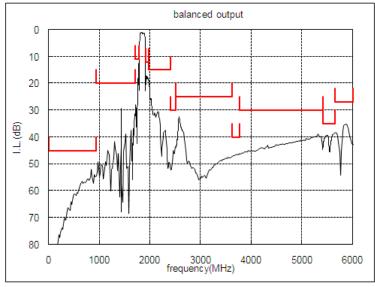
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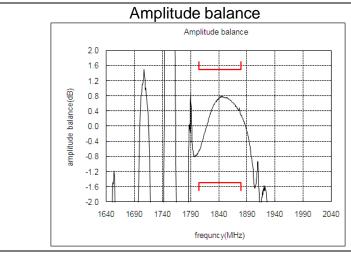


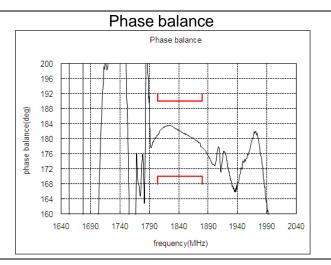
Murata part number: SAWFD942MCM0F0A (fc=1842.5MHz)

■ Frequency Performance







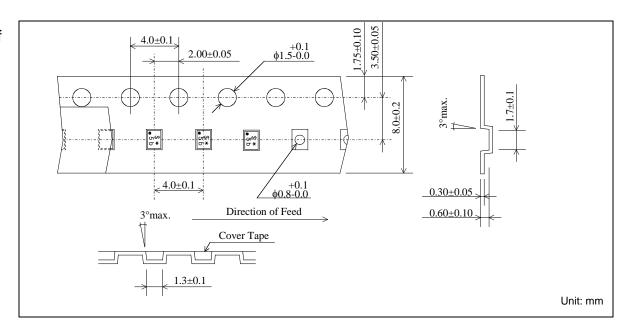


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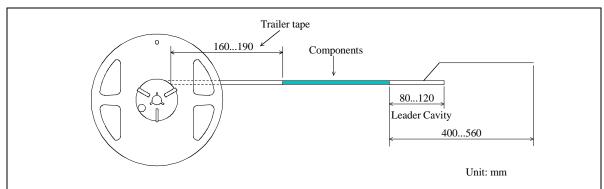


SAW FILTER FOR GSM900/1800 Murata part number: SAWFD942MCM0F0A

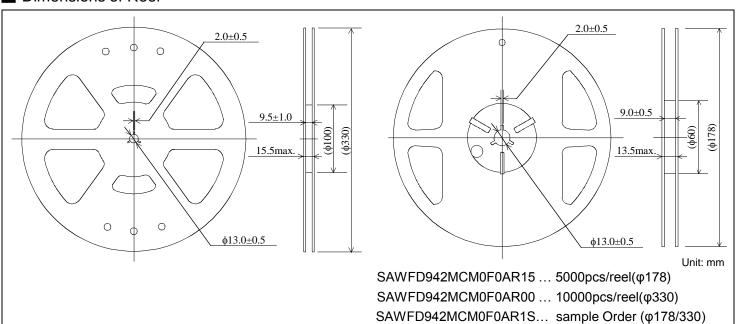
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel

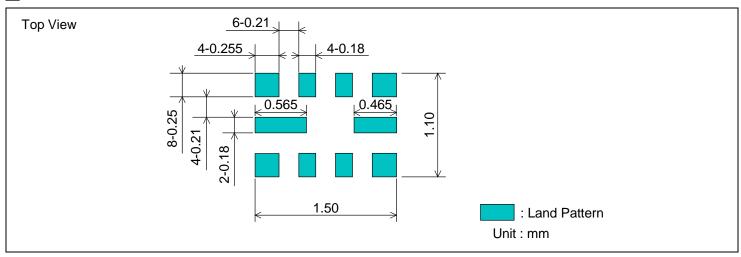


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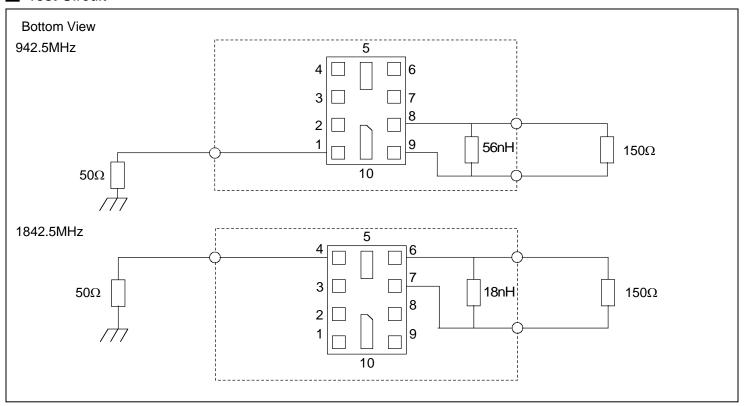


Murata part number : SAWFD942MCM0F0A

Recommended Land Pattern



Test Circuit



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Murata part number: SAWFD942MCM0F0A

RoHS Compliance

This component is compliant with RoHS directive.

This component was always RoHS compliant from the first date of manufacture.

· Caution - Limitation of Applications

This product is intended for the following applications only; however, please do not use this product in these applications where defects might directly cause damage to a third party's life, body or property.

- a. Mobile Telephone
- b. Cordless phone (except for Automotive use)
- c. PC (Including Notebook PC, Netbook PC, Tablet)
- d. Game
- e. Camera (except for Business/security use)
- f. Set Top Box
- g. Electronic dictionary
- h. Digital audio equipment
- •This catalog is for reference only and not an official product specification document, therefore, please review and approve our official product specification before ordering this product.

Marking code

Table 1 ★: EIAJ Code

This rule of code is applied repeatedly every four year.

2013	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2017 2021	Α	В	C	D	Е	F	G	Н	٦	K	ш	М
2014	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2018 2022	N	Р	Q	R	S	Т	U	V	W	Х	Υ	Z
2015	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2019 2023	а	b	10	d	е	f	g	h	j	k	Q	m
2016	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2020 2024	n	p	¥	r	4	t	a	V	3	×	y	3

Table 2 \$: Date Code

date	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
code	Α	В	С	D	Е	F	G	Η	J	K	
date	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	
code	L	М	Ν	Р	Q	R	S	Т	U	V	
date	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
code	W	Х	V	7	а	b	c	d	е	f	g

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SAW FILTER FOR GSM900/1800 Murata part number: SAWFD942MCM0F0A

■Important notice

PLEASE READ THIS NOTICE BEFORE USING OUR PRODUCTS.

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.

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Furthermore, YOU AGREE TO INDEMNIFY AND DEFEND US AND OUR AFFILIATES AGAINST ALL CLAIMS, DAMAGES, COSTS, AND EXPENSES THAT MAY BE INCURRED, INCLUDING WITHOUT LIMITATION, ATTORNEY FEES AND COSTS, DUE TO THE USE OF OUR PRODUCTS IN SUCH APPLICATIONS.

- Aircraft equipment.
- 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.

We expressly prohibit you from analyzing, breaking, Reverse-Engineering, remodeling altering, and reproducing our product. Our product cannot be used for the product which is prohibited from being manufactured, used, and sold by the regulations and laws in the world.

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Please do not use our products, our technical information and other data provided by us for the purpose of developing of mass-destruction weapons and the purpose of military use.

Moreover, you must comply with "foreign exchange and foreign trade law", the "U.S. export administration regulations", etc.

Please note that we may discontinue the manufacture of our products, due to reasons such as end of supply of materials and/or components from our suppliers.

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SAW FILTER FOR GSM900/1800 Murata part number: SAWFD942MCM0F0A

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The product shall not be used in any other application/model than that of claimed to Murata.

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In particular we disclaim liability for damages caused by

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 - deviation or lapse in function of engineering sample,
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