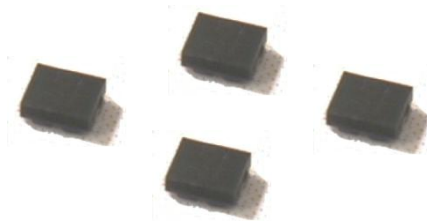




Data Sheet of SAW Components



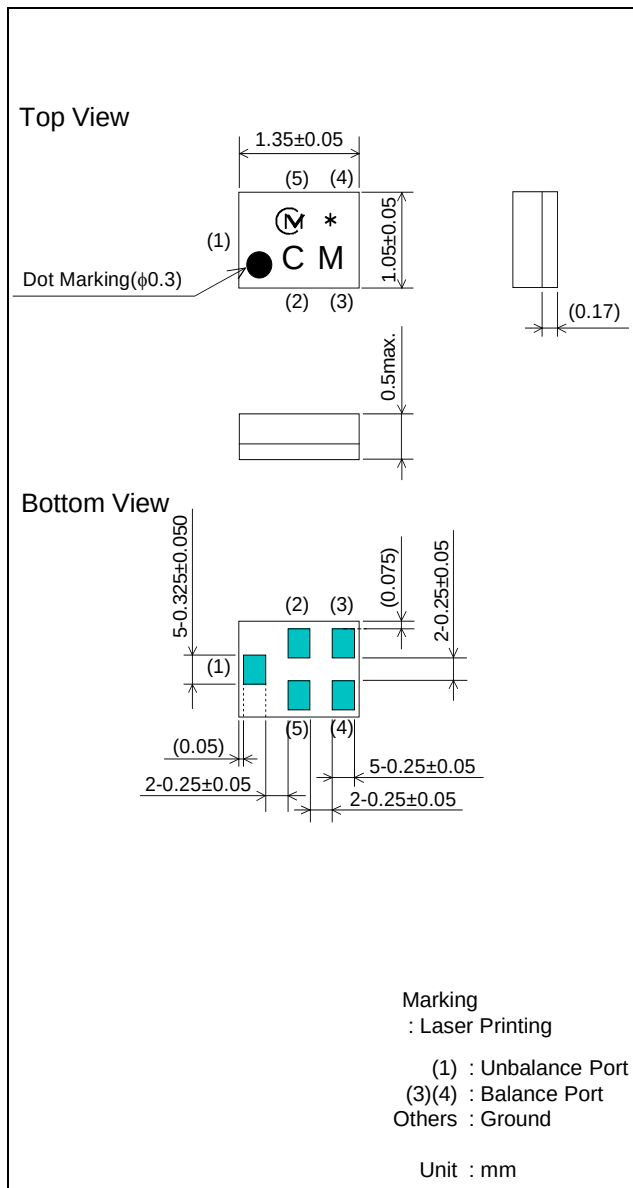
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR Band38 Rx

Murata part number : SAFEA2G59FL0F00

Package Dimensions



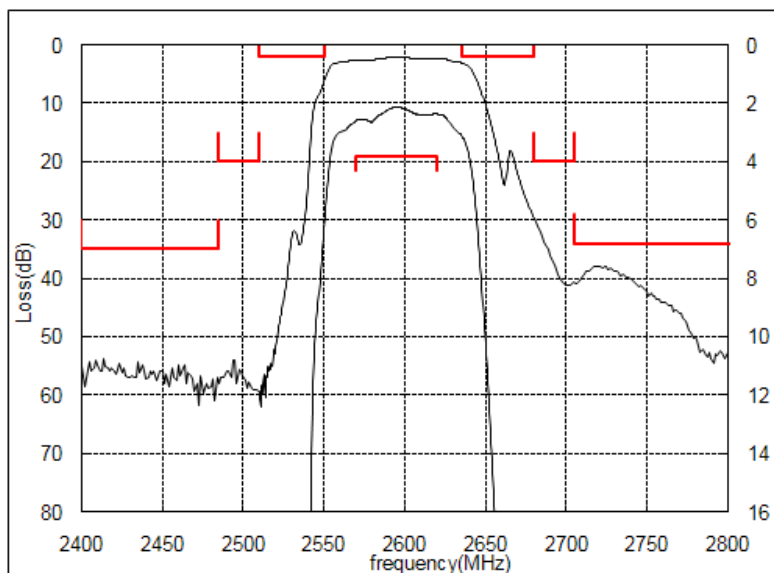
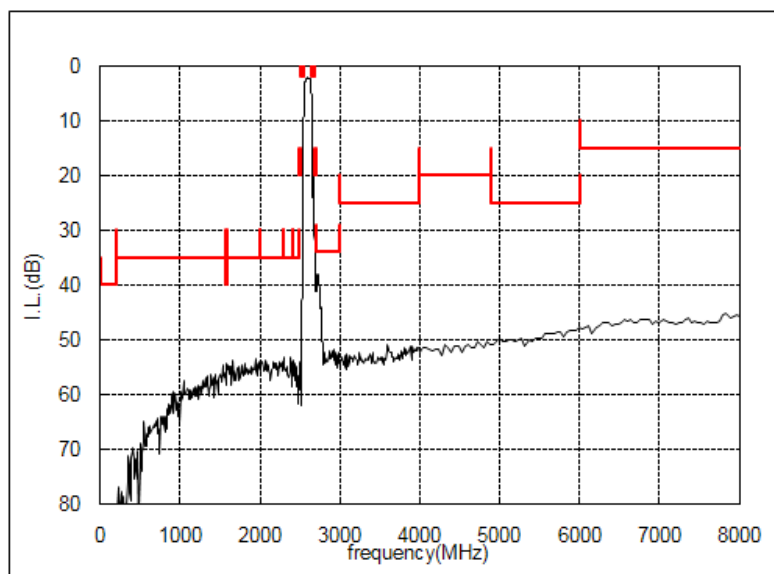
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	2595MHz		
Insertion Loss (2570 to 2620 MHz)	3.8 dB max.	3.1 dB max.	2.68 dB
Absolute Attenuation			
1) 0.1 to 200 MHz	40 dB min.	40 dB min.	79.4 dB
2) 200 to 1570 MHz	35 dB min.	35 dB min.	55.9 dB
3) 1570 to 1580 MHz	40 dB min.	40 dB min.	55.8 dB
4) 1580 to 2000 MHz	35 dB min.	35 dB min.	54.8 dB
5) 2000 to 2300 MHz	35 dB min.	35 dB min.	54.5 dB
6) 2300 to 2400 MHz	35 dB min.	35 dB min.	55.1 dB
7) 2400 to 2485 MHz	35 dB min.	35 dB min.	55.5 dB
8) 2485 to 2510 MHz	20 dB min.	20 dB min.	55.3 dB
9) 2510 to 2550 MHz	2.0 dB min.	3.0 dB min.	3.1 dB
10) 2635 to 2680 MHz	2.0 dB min.	2.0 dB min.	2.5 dB
11) 2680 to 2705 MHz	20 dB min.	20 dB min.	26.4 dB
12) 2705 to 3000 MHz	34 dB min.	34 dB min.	37.1 dB
13) 3000 to 4000 MHz	25 dB min.	25 dB min.	51.9 dB
14) 4000 to 4900 MHz	20 dB min.	20 dB min.	51.7 dB
15) 4900 to 6000 MHz	25 dB min.	25 dB min.	47.7 dB
16) 6000 to 12500 MHz	15 dB min.	15 dB min.	30.6 dB
Ripple Deviation (2570 to 2620 MHz)	1.8 dB max.	1.1 dB max.	0.62 dB
VSWR (2570 to 2620 MHz)	2.2 max.	2.0 max.	1.43
Amplitude Balance (2570 to 2620 MHz)	±1.5dB max.	±1.5dB max.	+0.34 dB
Phase Balance (2570 to 2620 MHz)	180±10deg. max.	180±10deg. max.	180.0+5.51deg.
Unbalance Port Matching Impedance (nominal)	50Ω		
Balance Port Matching Impedance (nominal)	150Ω//24nH		
Input Signal Level	10mW (+10dBm), 8000 hours		

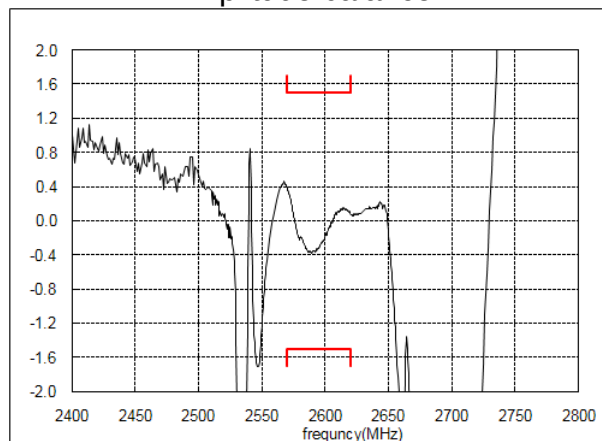
SAW FILTER FOR Band38 Rx

Murata part number : SAFEA2G59FL0F00

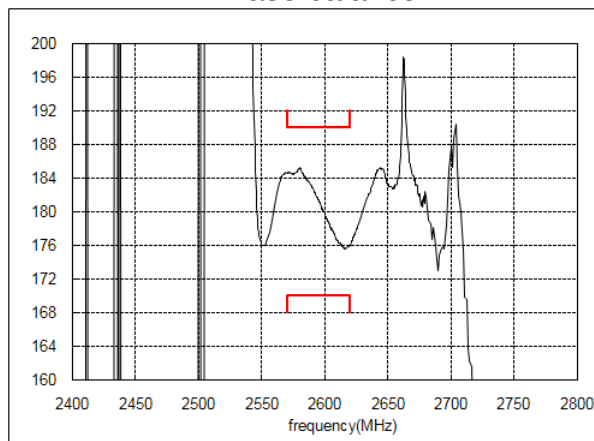
Frequency Performance



Amplitude balance



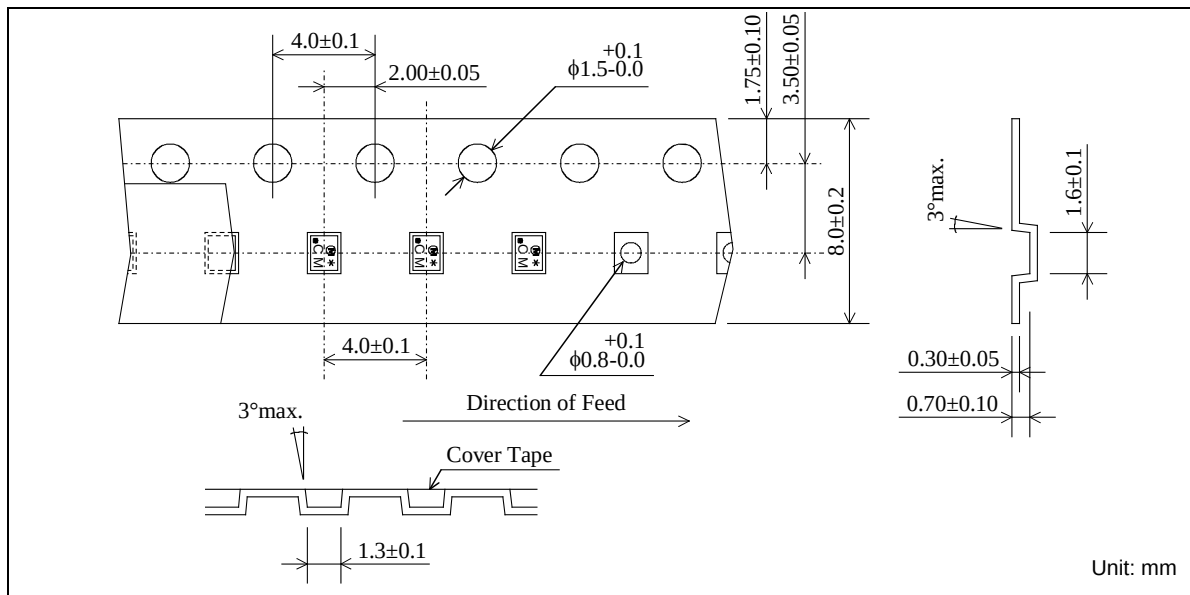
Phase balance



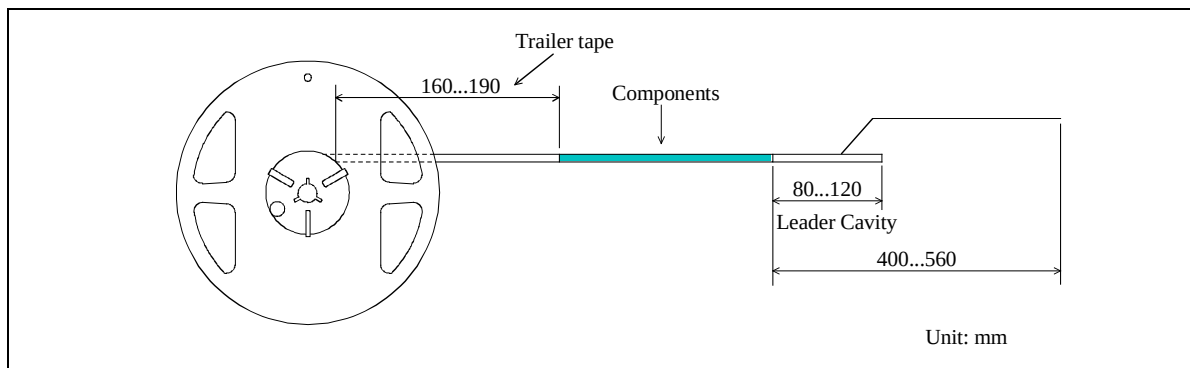
SAW FILTER FOR Band38 Rx

Murata part number : SAFEA2G59FL0F00

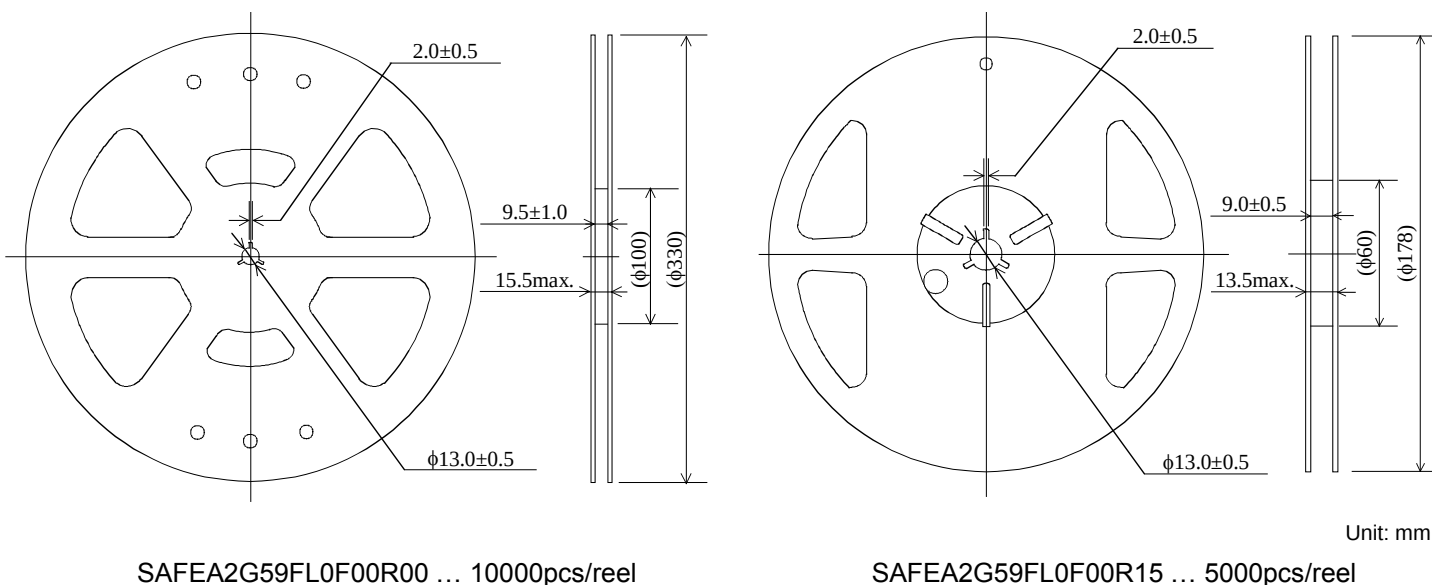
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



SAFEA2G59FL0F00R00 ... 10000pcs/reel

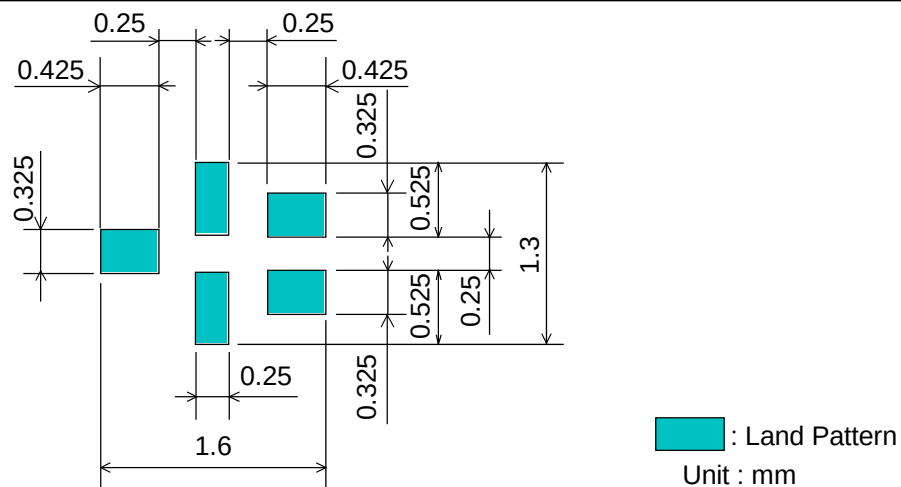
SAFEA2G59FL0F00R15 ... 5000pcs/reel

SAW FILTER FOR Band38 Rx

Murata part number : SAFEA2G59FL0F00

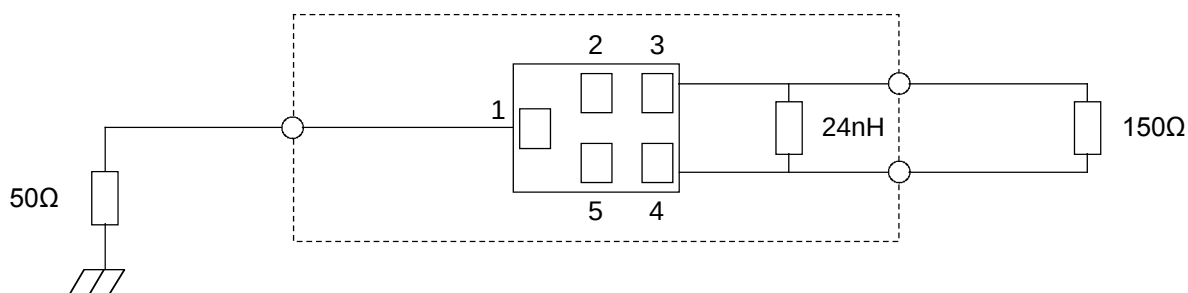
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR Band38 Rx

Murata part number : SAFEA2G59FL0F00

■ 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.

SAW FILTER FOR Band38 Rx

Murata part number : SAFEA2G59FL0F00

■Important notice

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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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- 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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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.

SAW FILTER FOR Band38 Rx

Murata part number : SAFEA2G59FL0F00

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

Customer acknowledges that engineering samples may deviate from specifications and may contain defects due to their development status.

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- deviation or lapse in function of engineering sample,

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