

# Datasheet of SAW Device

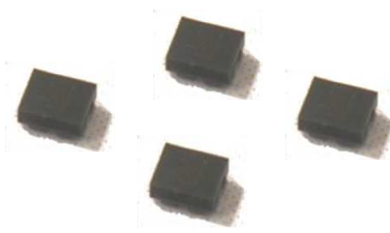
## SAW Single Filter

for Band41 Full / Unbalanced / 5pin /1411

Murata PN: SAFRC2G59MD0F0A

### ■ Feature

- New Generation for B41 Full
- High Middle Band Rejection
- Support HPUE



Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.  
Please also read caution at the end of this document.

**SAFRC2G59MD0F0A ( Band41 Full / Unbalanced / 5pin / 1411 )**

**General Information**

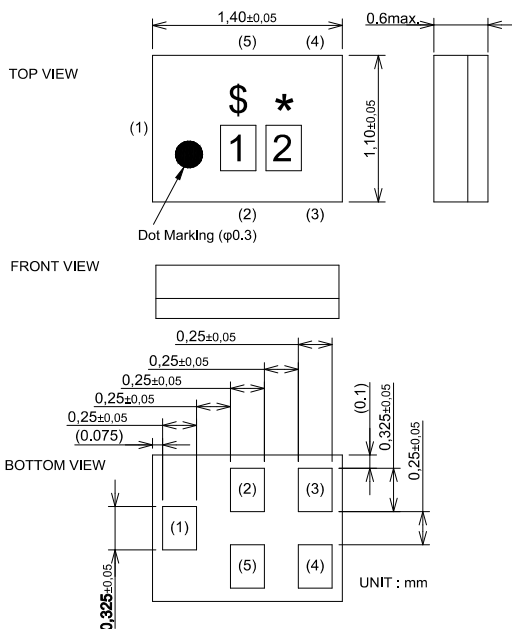
- Operating temperature	: -20 to +85 deg.C
- Storage temperature	: -40 to +85 deg.C
- Input Power	: +33.0dBm 5000h +50deg.C (1)(3) +31.5dBm 5000h +50deg.C (2)(4) (1) applicable for W-CDMA, SC-FDMA, DFT-s-OFDM (2) applicable for CP-OFDM (3) 40% Duty Cycle (4) 50% Duty Cycle (*)Input signal shall be applied to Terminal number(1).
- D.C. Volatage between the terminals	: 3V (25+/-2 deg.C)
- Minimum Resistance between the terminals	: 1M ohm
- RoHS compliance	: Yes
- ESD (ElectroStatic Discharge) sensitive device	

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**Package Dimensions & Recommended Land Pattern**

unit: mm

**Dimensions**



Marking : Laser Printing

\* : Month code

\$ : Date code

1 : L

2 : s

Terminal Number

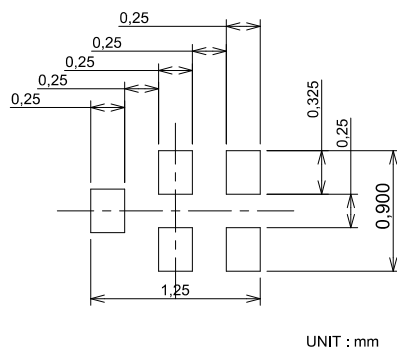
(1) : Unbalance Port (PA-side)

(4) : Unbalance Port (Ant.-side)

Others : GND

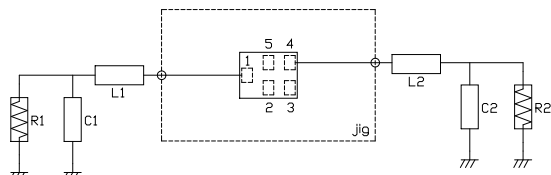
Notice) Please refer to Measurement Circuit for Port information in detail.

**Land Pattern**



UNIT : mm

**Measurement Circuit (Top Thru View)**

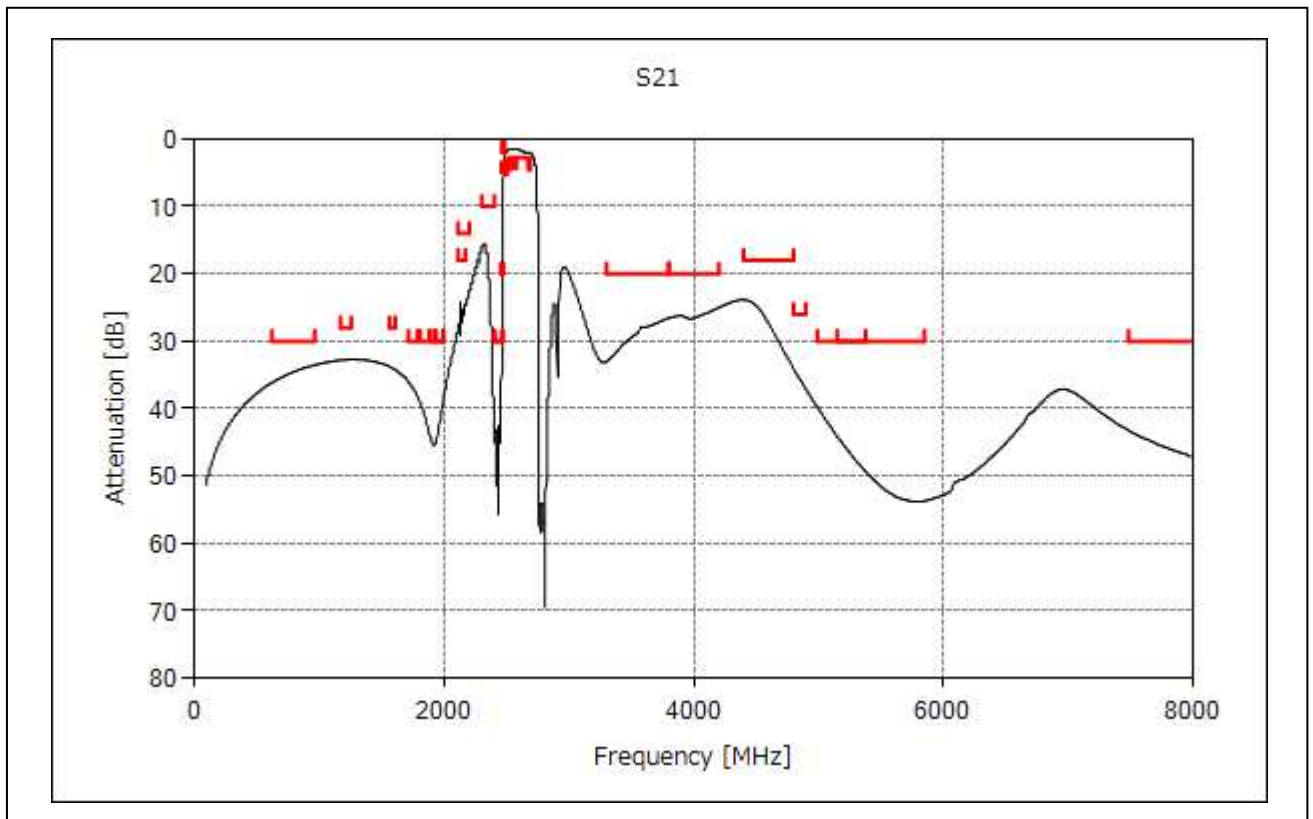
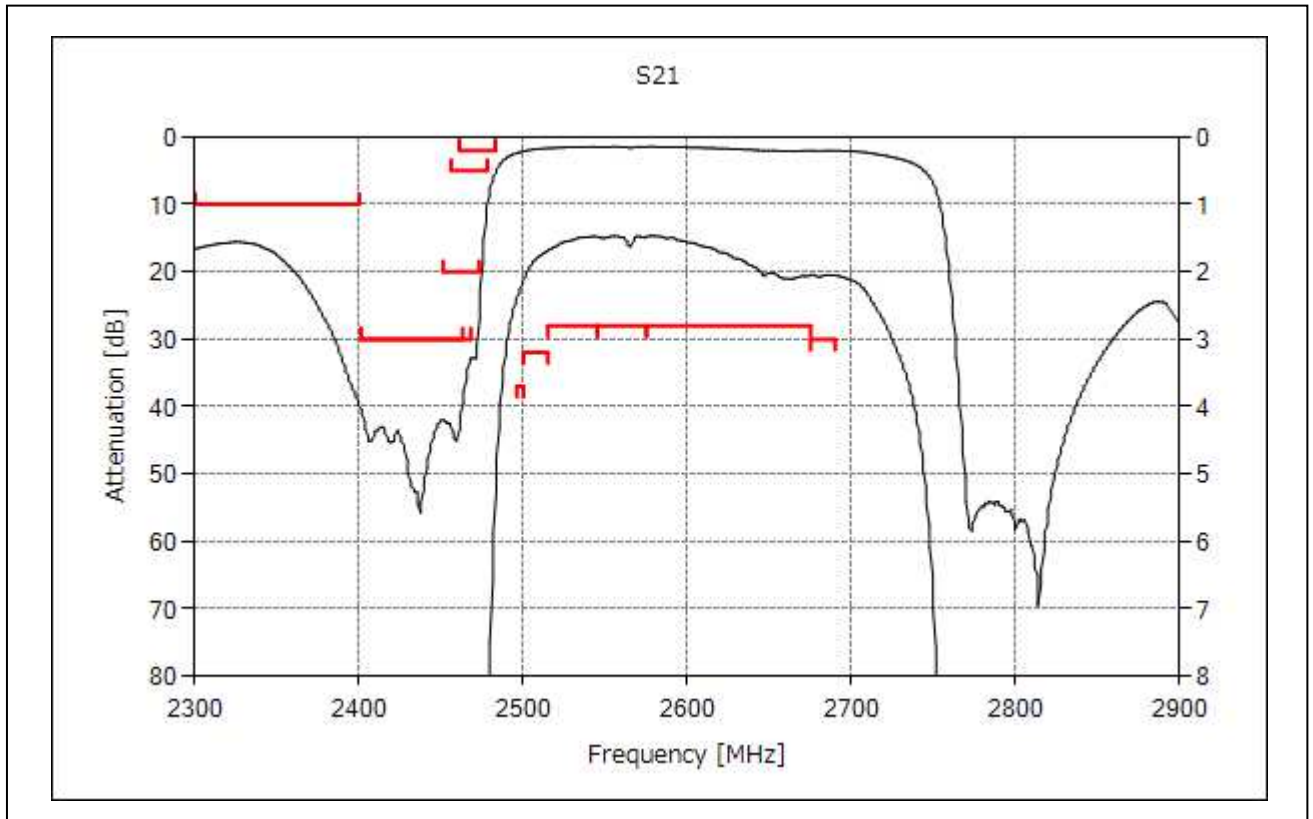


R1 : 50 ohm	L1 :3nH(Ideal inductor)
	C1 :1.2pF(Ideal capacitor)
R2 : 50 ohm	L2 :3.2nH(Ideal inductor)
	C2 :0.8pF(Ideal capacitor)



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Electrical Characteristic

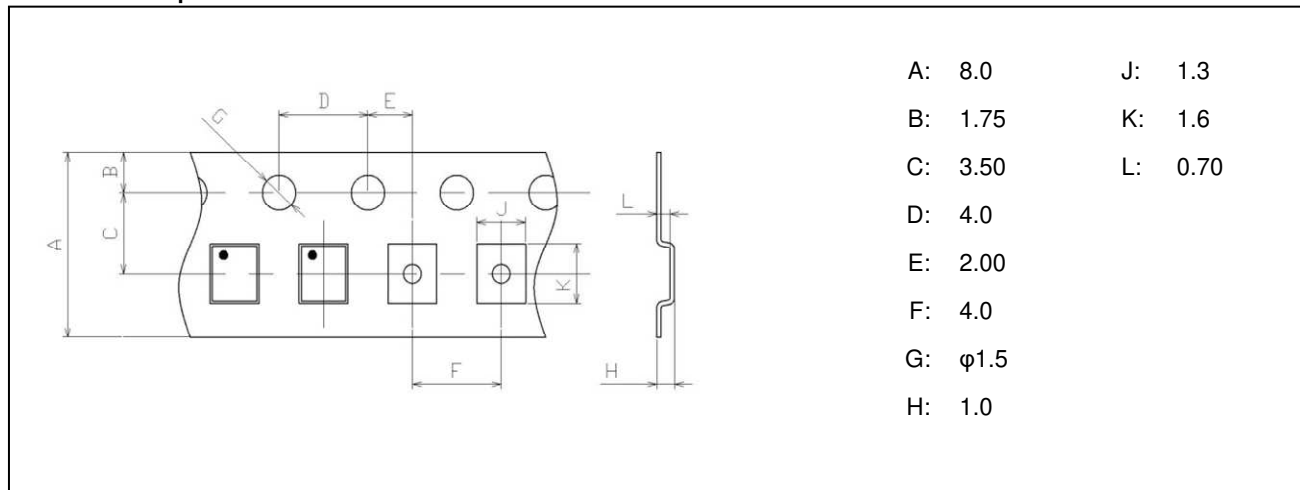
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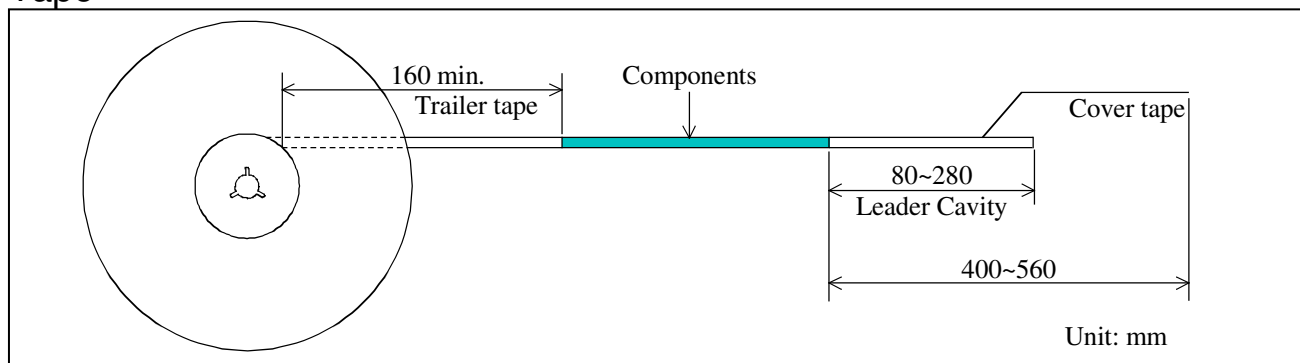
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**Dimensions of Tape & Reel** unit: mm

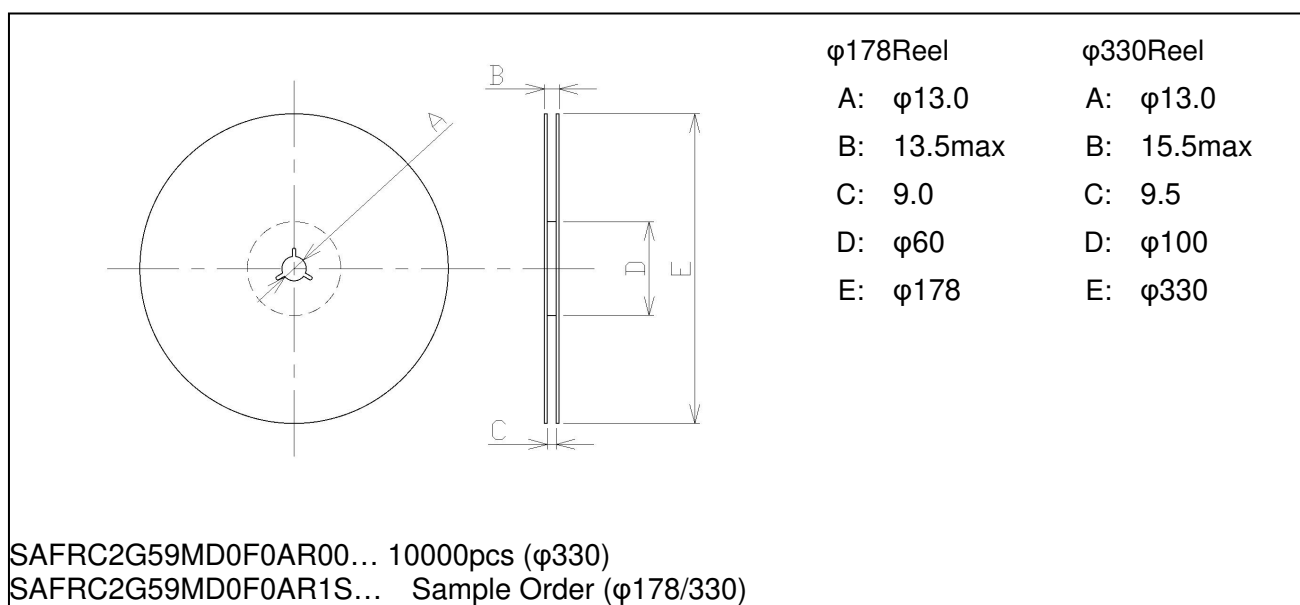
**Carrier Tape**



**Tape**



**Reel**



SAFRC2G59MD0F0A ( Band41 Full / Unbalanced / 5pin / 1411 )

## Important Notice (1/2)

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- 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.

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Please do not use the product in molding condition.

This product is ESD (ElectroStatic Discharge) sensitive device. When you install or measure this, you should be careful not to add antistatic electricity or high voltage. Please be advised that you had better check anti surge voltage.

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