

# Datasheet of SAW Device

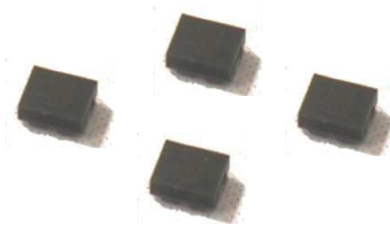
## SAW Single Filter

for GPS / Unbalanced / 4pin /0907

Murata PN: SAFFW1G17AA0E0A

### ■ Feature

- Smallest GPS(L5) DRx
- Next Gen. Industry Standard Size
- Very Low Insertion Loss



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

SAFFW1G17AA0E0A ( GPS / Unbalanced / 4pin / 0907 )

### General Information

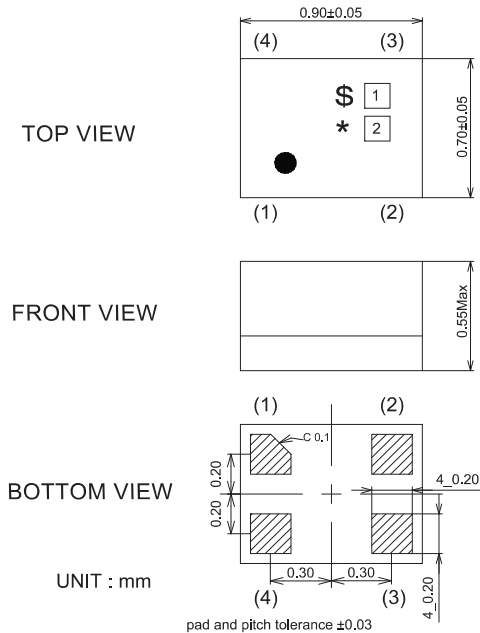
- |  |                            |
|--|----------------------------|
| - Operating temperature                          | : -20 to +85 deg.C         |
| - Storage temperature                            | : -40 to +85 deg.C         |
| - Input Power                                    | : +15 dBm 5000 h +50 deg.C |
| - D.C. Volatage between the terminals            | : 3V (25+/-2 deg.C)        |
| - Minimum Resistance between the terminals       | : 10M 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(Refer to the table A)

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

1 : 2

2 : Q

Terminal Number

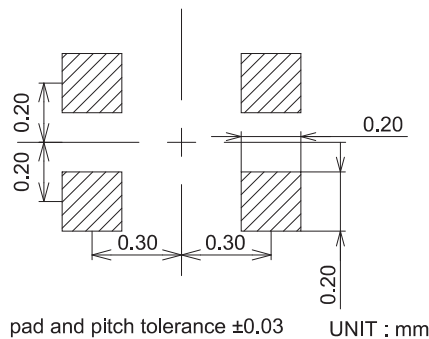
(2) : Unbalanced port

(4) : Unbalanced port

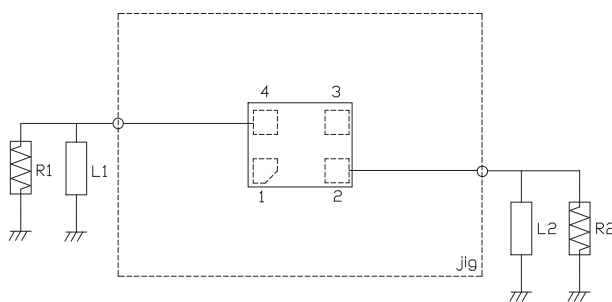
Others : GND

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

**Land Pattern**



**Measurement Circuit (Top Thru View)**



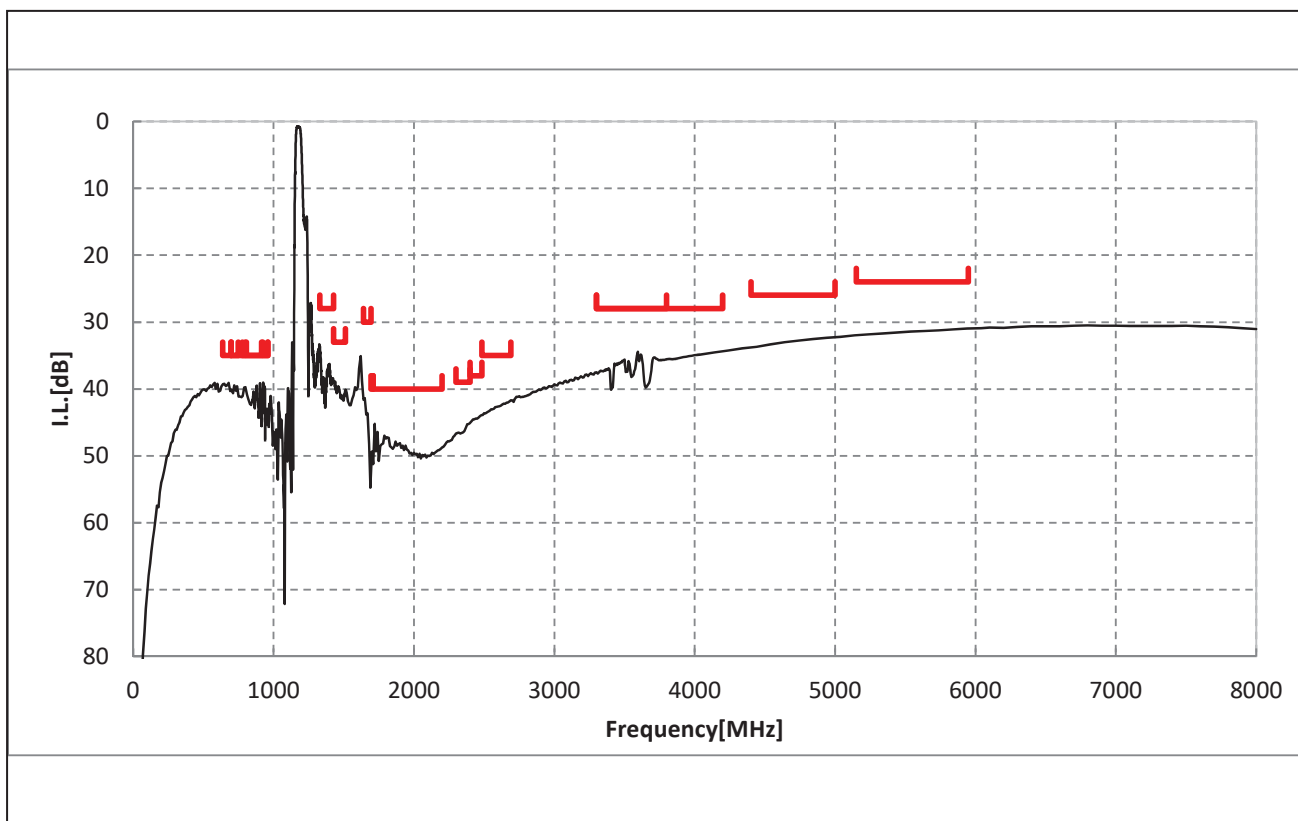
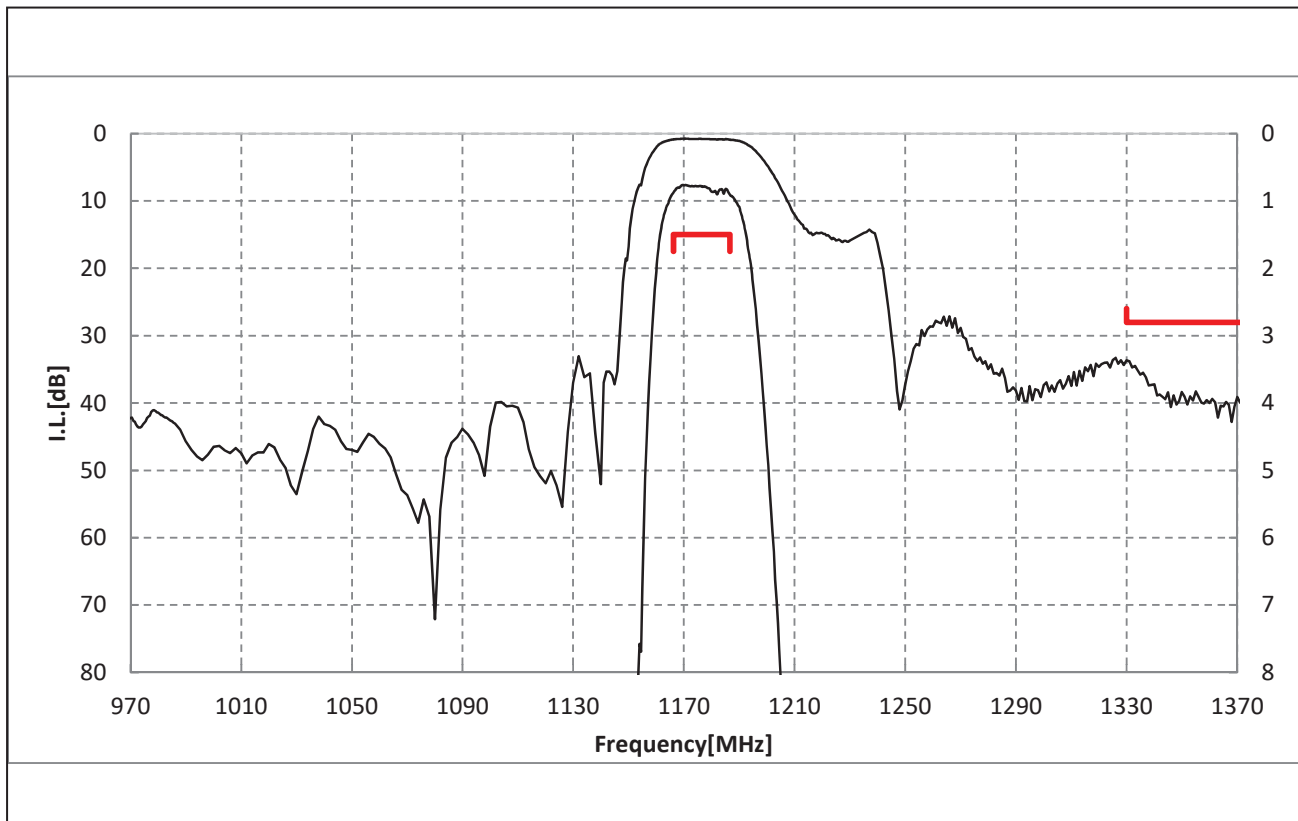
|             |                          |
|-------------|--------------------------|
| R1 : 50 ohm | L1 :30nH(Ideal inductor) |
| R2 : 50 ohm | L2 :30nH(Ideal inductor) |
|             |                          |
|             |                          |
|             |                          |
|             |                          |



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Electrical Characteristic

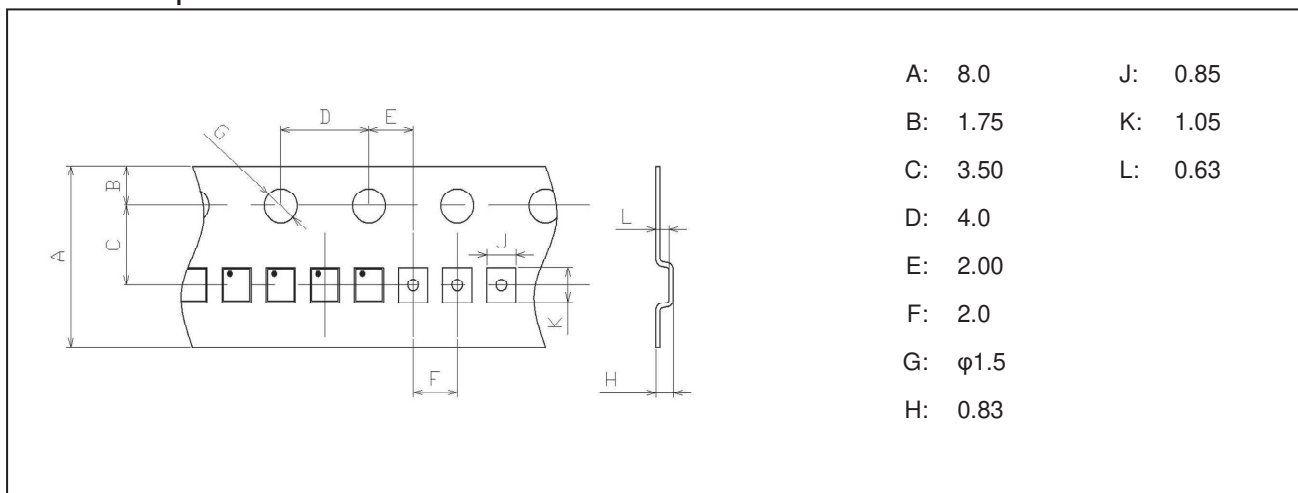
< Item >



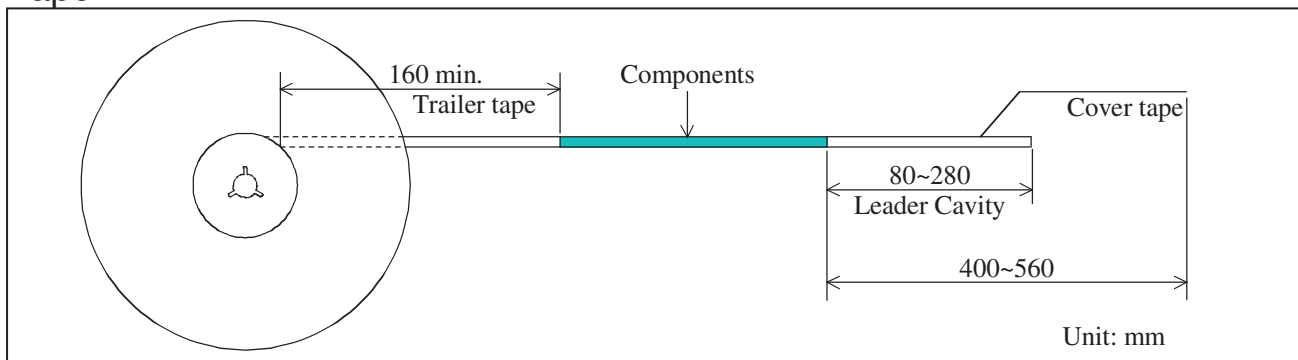
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**Dimensions of Tape & Reel** unit: mm

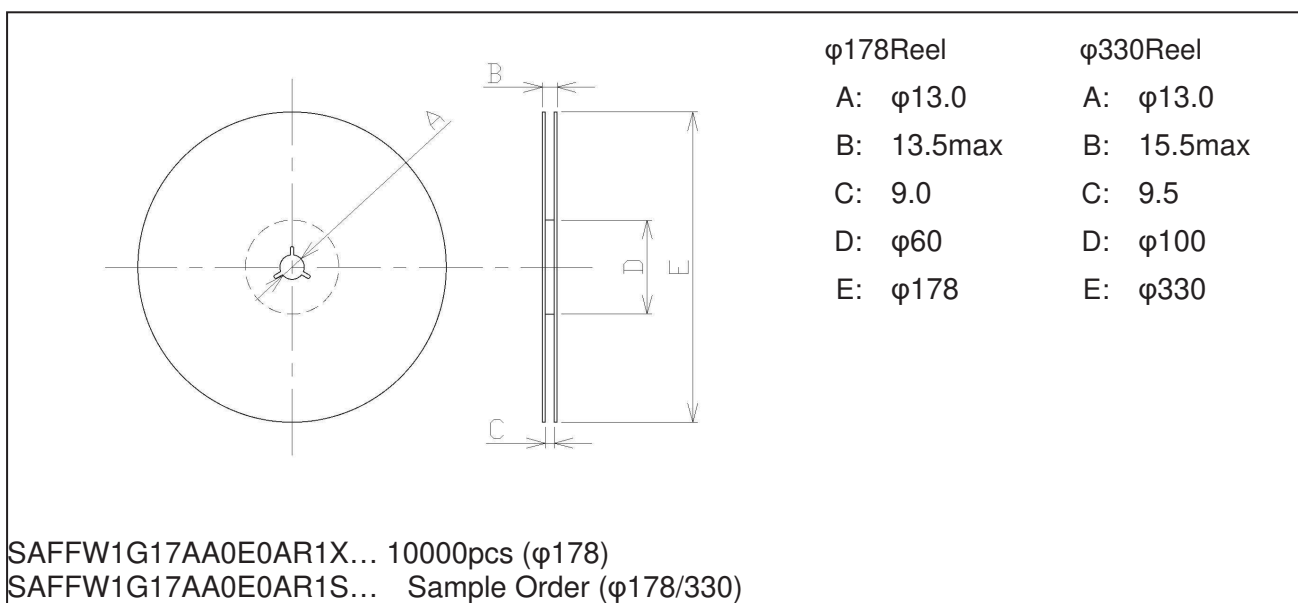
**Carrier Tape**



**Tape**



**Reel**



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## Marking Code

Table A: Month Code

|                      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2017<br>2021<br>2025 | Jan. | Feb. | Mar. | Apr. | May. | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. |
|                      | A    | B    | C    | D    | E    | F    | G    | H    | J    | K    | L    | M    |
| 2018<br>2022<br>2026 | Jan. | Feb. | Mar. | Apr. | May. | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. |
|                      | N    | P    | Q    | R    | S    | T    | U    | V    | W    | X    | Y    | Z    |
| 2019<br>2023<br>2027 | Jan. | Feb. | Mar. | Apr. | May. | Jun. | Jul. | Aug. | Sep. | Oct. | Nov. | Dec. |
|                      | a    | b    | c̄   | d    | e    | f    | g    | h    | j    | k    | l    | m    |
| 2020<br>2024<br>2028 | 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    |

## Important Notice (1/2)

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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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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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