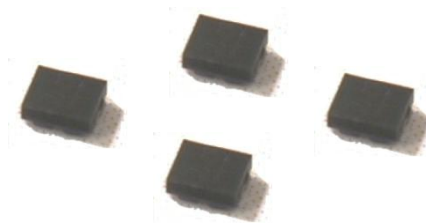




Data Sheet of SAW Components



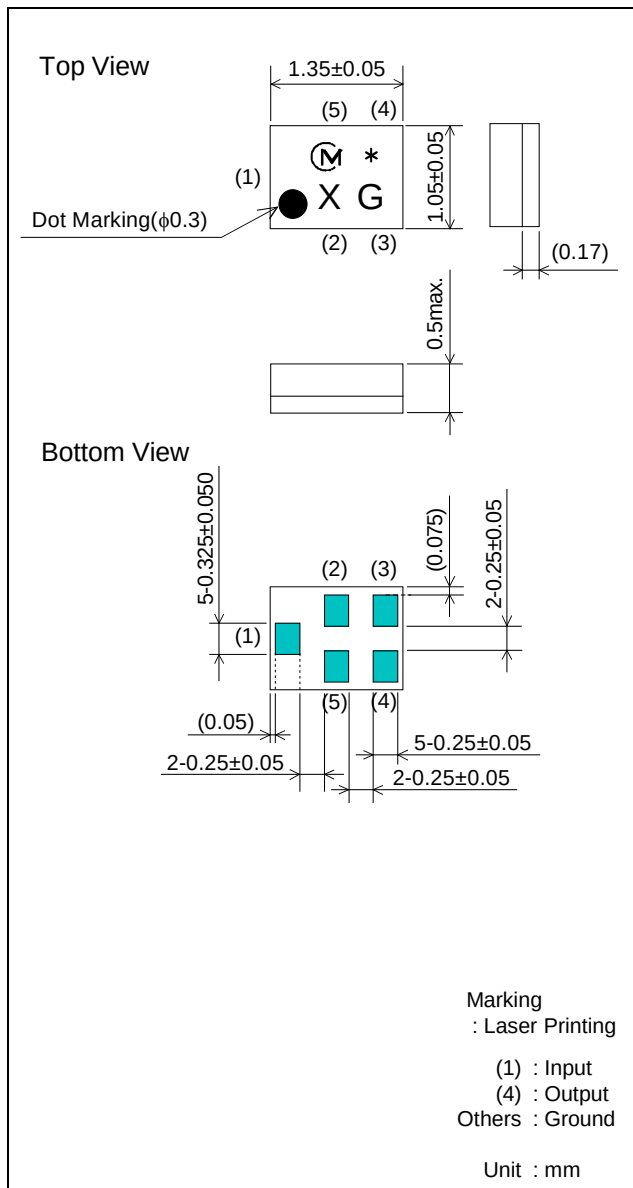
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR Bluetooth

Murata part number : SAFEA2G44AA0F00

Package Dimensions



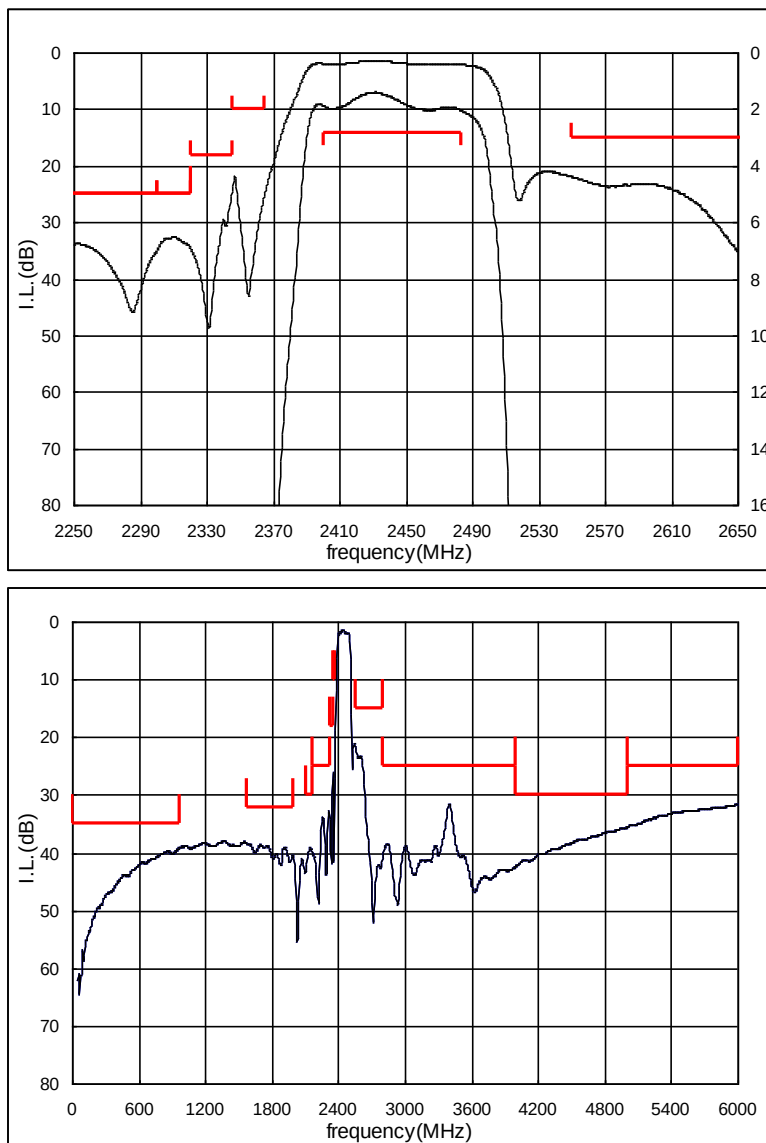
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	2441.75MHz		
Insertion Loss (2400 to 2483.5MHz)	2.8 dB max.	2.5 dB max.	2.0 dB
Absolute Attenuation			
1) 0.1 to 960 MHz	35 dB min.	35 dB min.	39 dB
2) 1570 to 1990 MHz	32 dB min.	32 dB min.	38 dB
3) 2110 to 2170 MHz	30 dB min.	30 dB min.	38 dB
4) 2170 to 2300 MHz	25 dB min.	25 dB min.	34 dB
5) 2300 to 2320 MHz	25 dB min.	25 dB min.	33 dB
6) 2320 to 2345 MHz	18 dB min.	18 dB min.	25 dB
7) 2345 to 2365 MHz	10 dB min.	10 dB min.	22 dB
8) 2550 to 2800 MHz	15 dB min.	15 dB min.	22 dB
9) 2800 to 4000 MHz	25 dB min.	25 dB min.	31 dB
10) 4000 to 5000 MHz	30 dB min.	30 dB min.	39 dB
11) 5000 to 6000 MHz	25 dB min.	25 dB min.	34 dB
Ripple Deviation (2400 to 2483.5MHz)	1.5dB max.	1.2dB max.	0.7 dB
VSWR (2400 to 2483.5MHz)	2.4 max.	2.3 max.	2.0
Input/Output Impedance (nominal)	50Ω		
Input Signal Level	10mW (+10dBm), 8000 hours		

SAW FILTER FOR Bluetooth

Murata part number : SAFEA2G44AA0F00

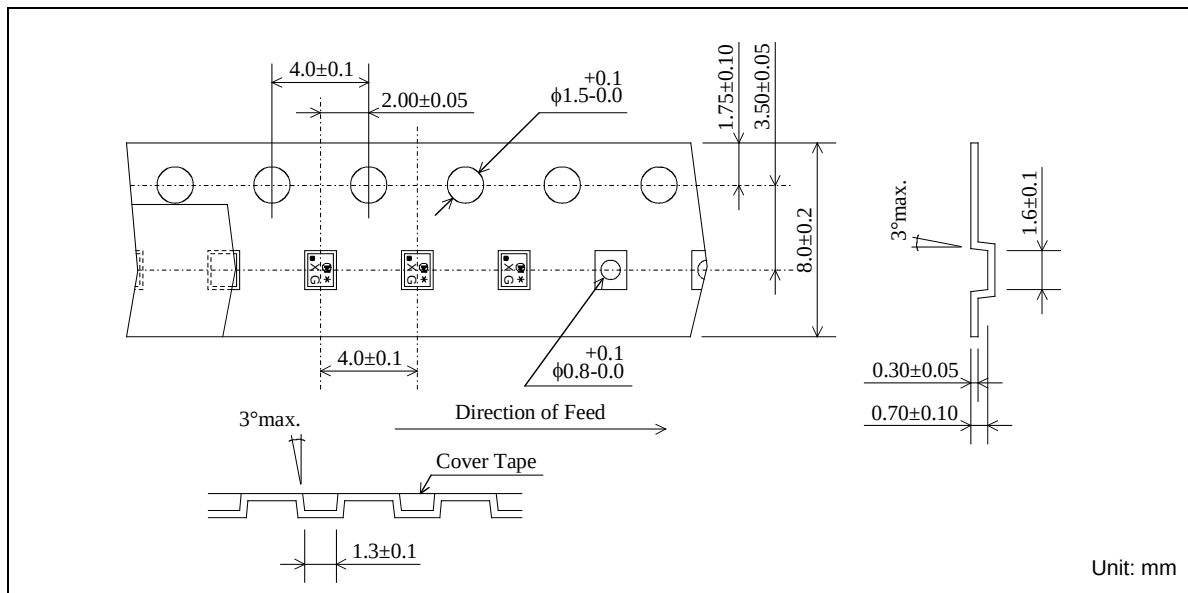
Frequency Performance



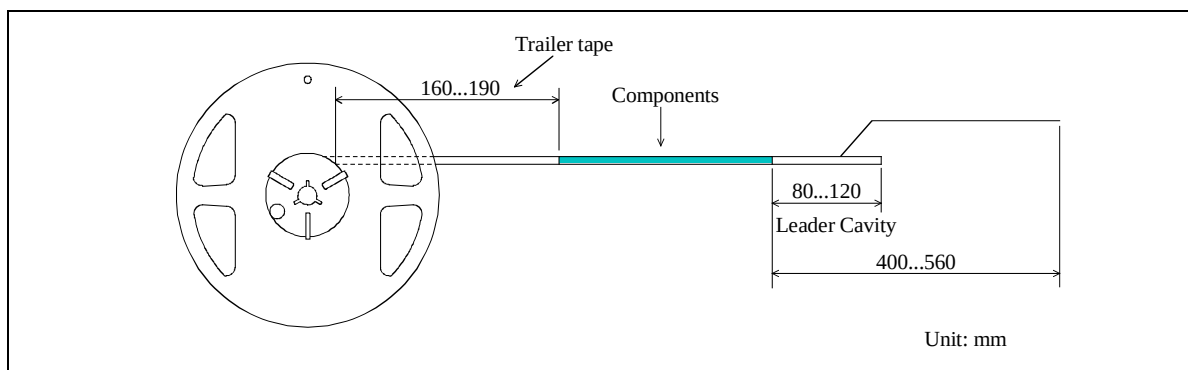
SAW FILTER FOR Bluetooth

Murata part number : SAFEA2G44AA0F00

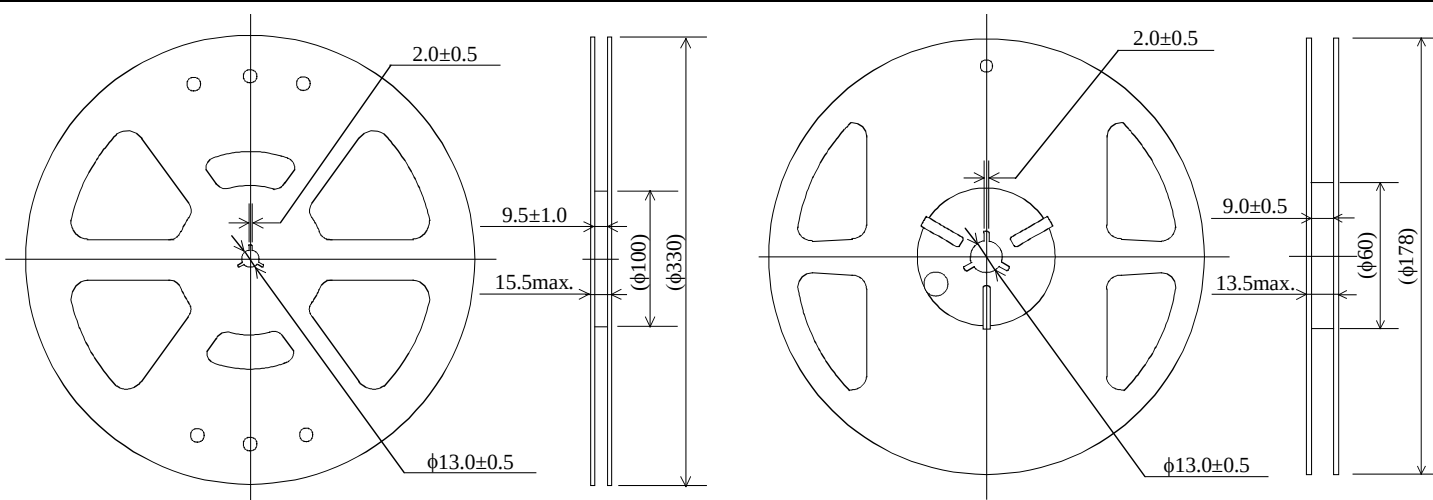
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



SAFEA2G44AA0F00R00 ... 10000pcs/reel

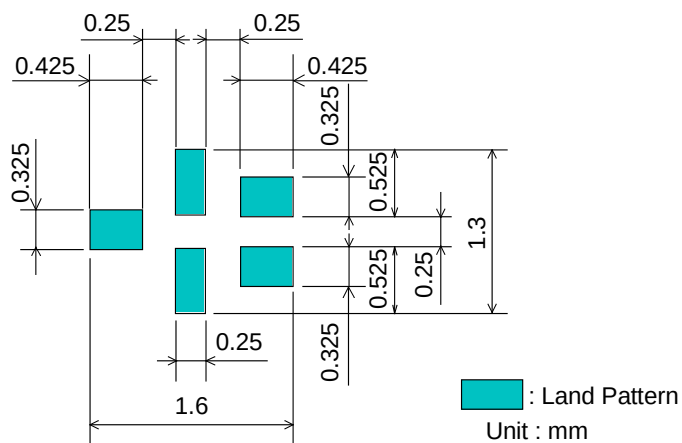
SAFEA2G44AA0F00R15 ... 5000pcs/reel

SAW FILTER FOR Bluetooth

Murata part number : SAFEA2G44AA0F00

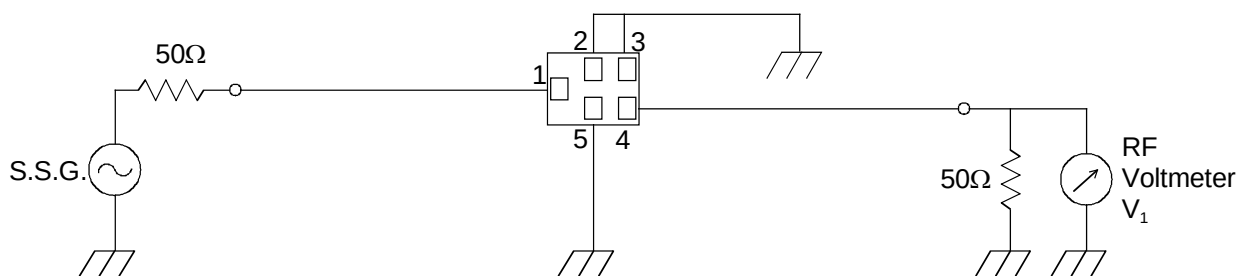
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR Bluetooth

Murata part number : SAFEA2G44AA0F00

■ 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.