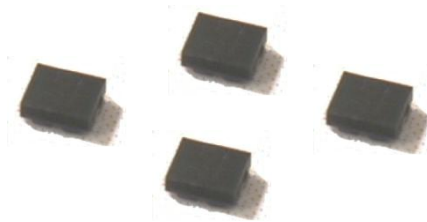




Data Sheet of SAW Components



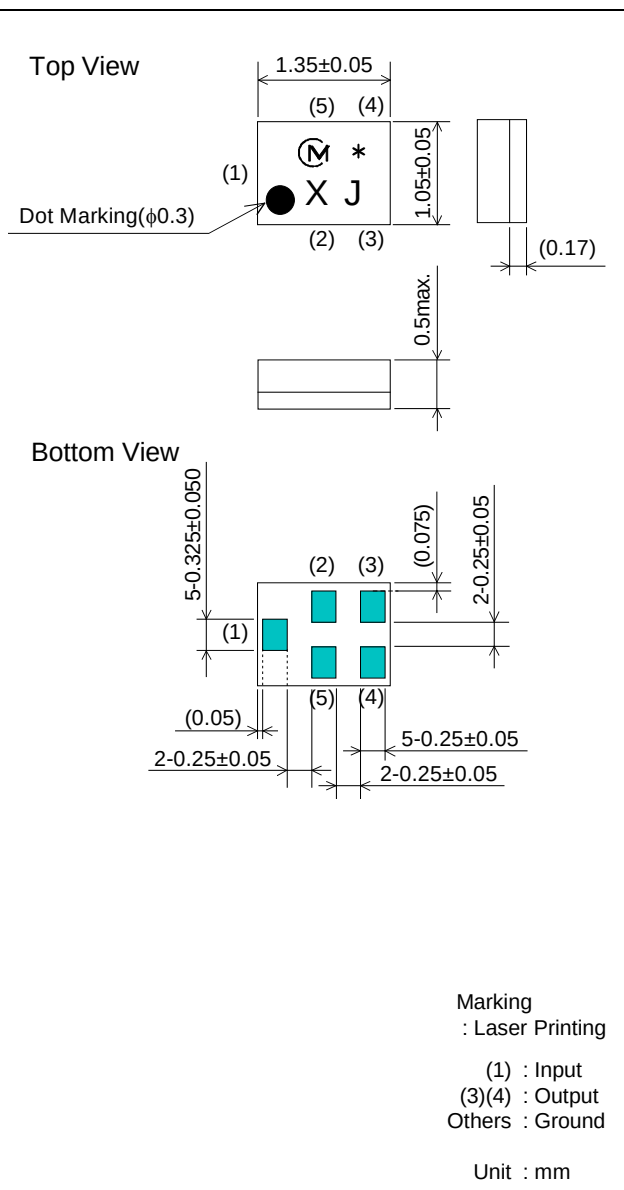
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR WLAN/Bluetooth

Murata part number : SAFEA2G45FA0F00

Package Dimensions



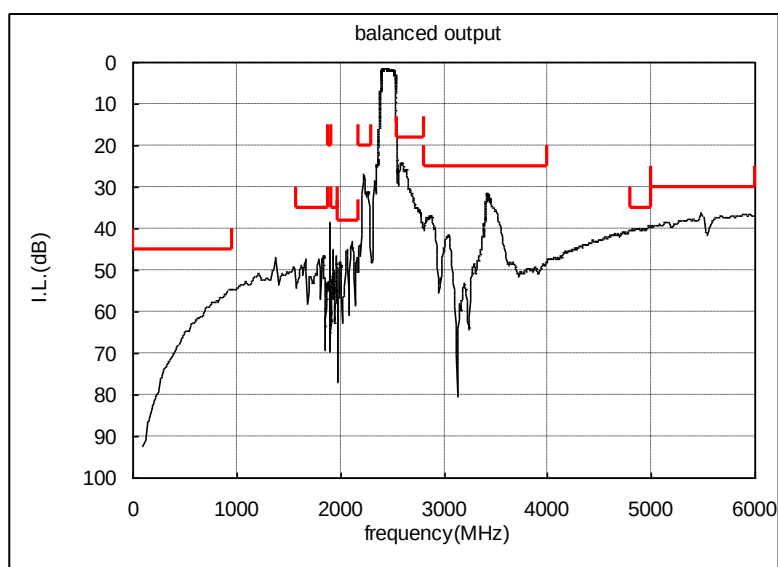
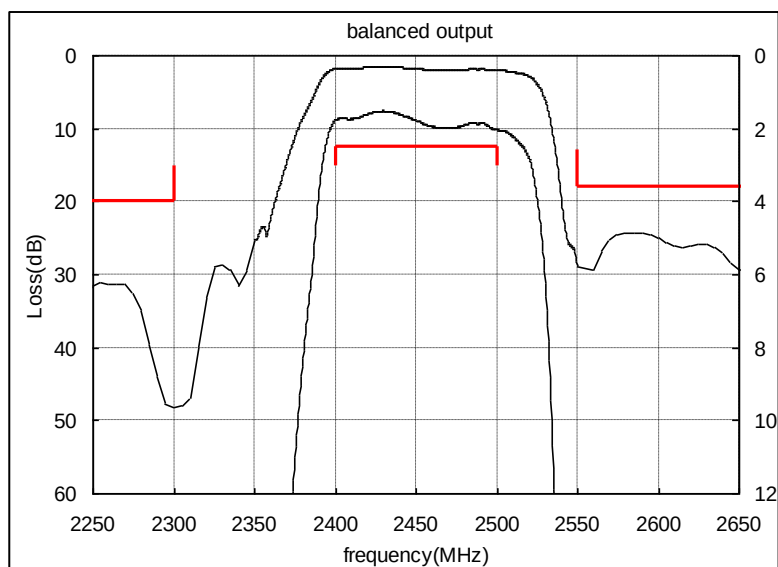
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	2450MHz		
Insertion Loss (2400 to 2500MHz)	2.5 dB max.	2.2 dB max.	2.0 dB
Absolute Attenuation			
1) 0.1 to 960 MHz	45 dB min.	45 dB min.	52 dB
2) 1570 to 1880 MHz	35 dB min.	35 dB min.	45 dB
3) 1880 to 1910 MHz	20 dB min.	20 dB min.	30 dB
4) 1920 to 1980 MHz	35 dB min.	35 dB min.	49 dB
5) 1980 to 2170 MHz	38 dB min.	38 dB min.	42 dB
6) 2170 to 2300 MHz	20 dB min.	20 dB min.	27 dB
7) 2550 to 2800 MHz	18 dB min.	18 dB min.	23 dB
8) 2800 to 4000 MHz	25 dB min.	25 dB min.	33 dB
9) 4800 to 5000 MHz	35 dB min.	35 dB min.	42 dB
10) 5000 to 6000 MHz	30 dB min.	30 dB min.	40 dB
Ripple Deviation (2400 to 2500MHz)	1.8dB max.	1.5dB max.	0.7 dB
VSWR (2400 to 2500MHz)	2.2 max.	2.0 max.	1.8
Amplitude Balance (2400 to 2500MHz)	±2.2dB max.	±2.2dB max.	+1.0dB
Phase Balance (2400 to 2500MHz)	180±12deg. max.	180±12deg. max.	180+5deg.
Input Impedance (nominal)	50Ω		
Output Impedance (nominal)	100Ω//10nH		
Input Signal Level	10mW (+10dBm), 8000 hours		

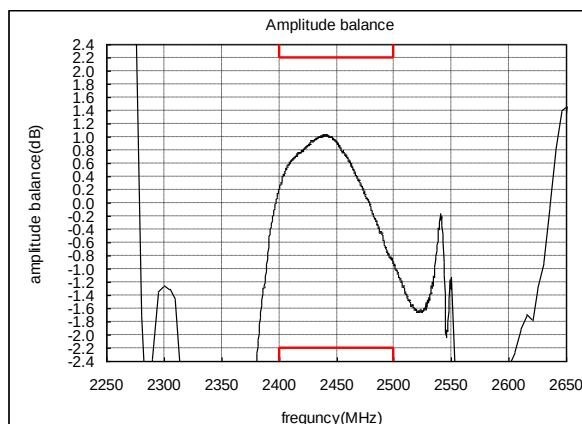
SAW FILTER FOR WLAN/Bluetooth

Murata part number : SAFEA2G45FA0F00

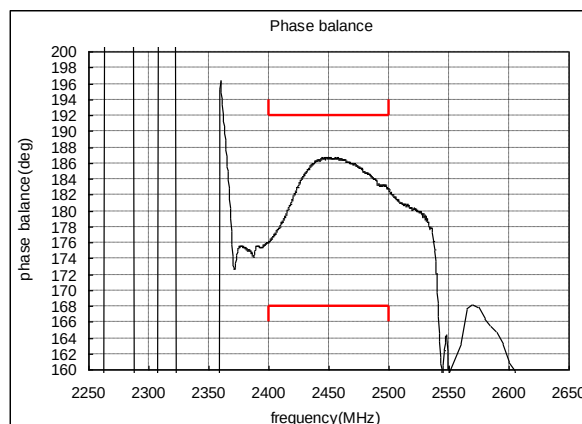
Frequency Performance



Amplitude balance



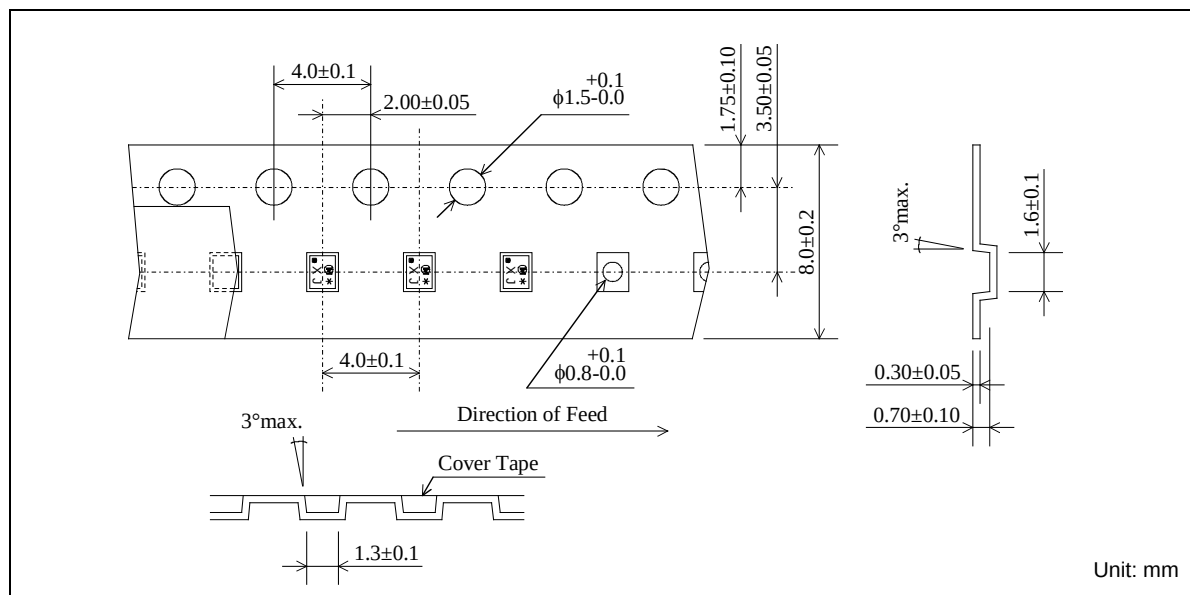
Phase balance



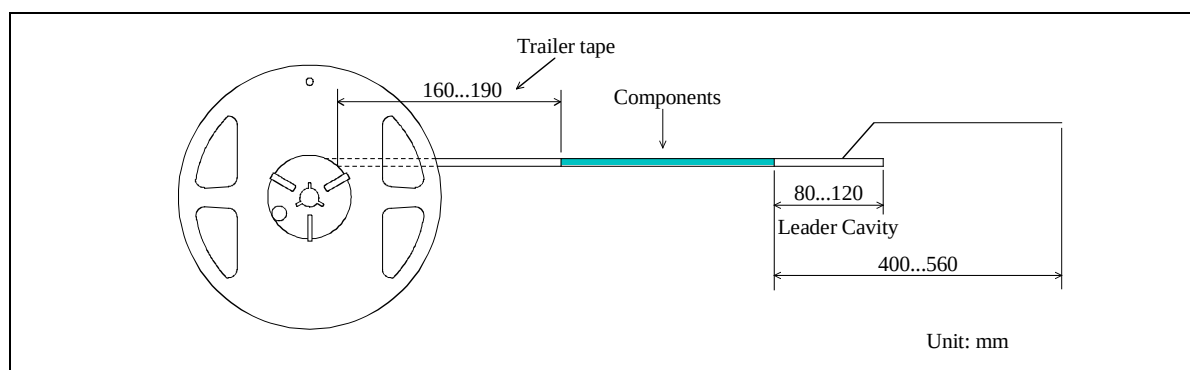
SAW FILTER FOR WLAN/Bluetooth

Murata part number : SAFEA2G45FA0F00

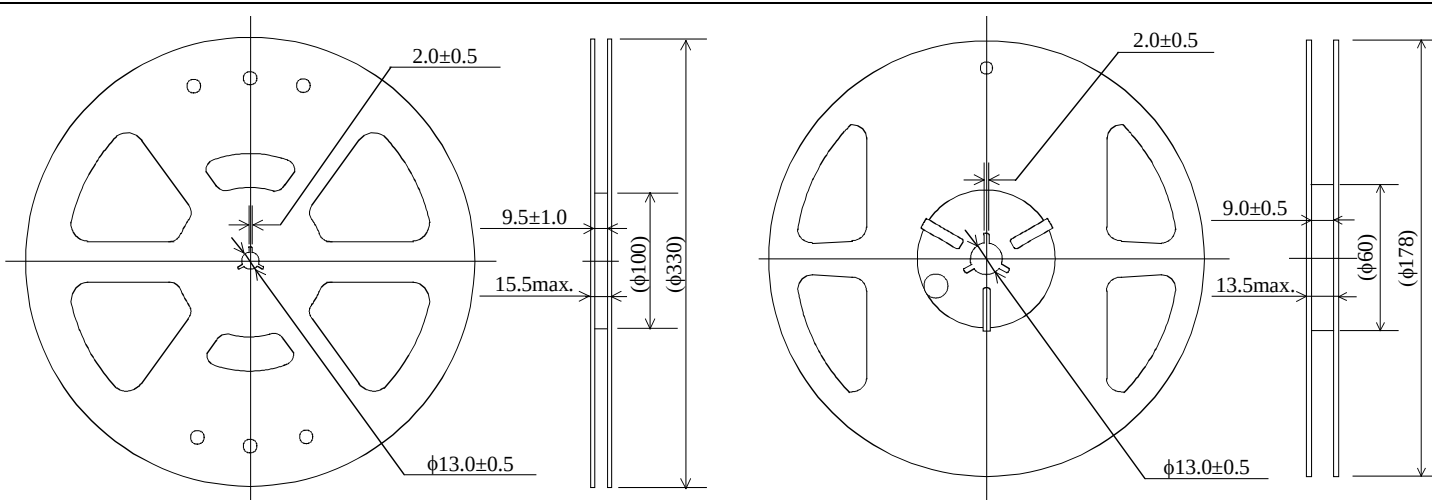
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



SAFEA2G45FA0F00R00 ... 10000pcs/reel

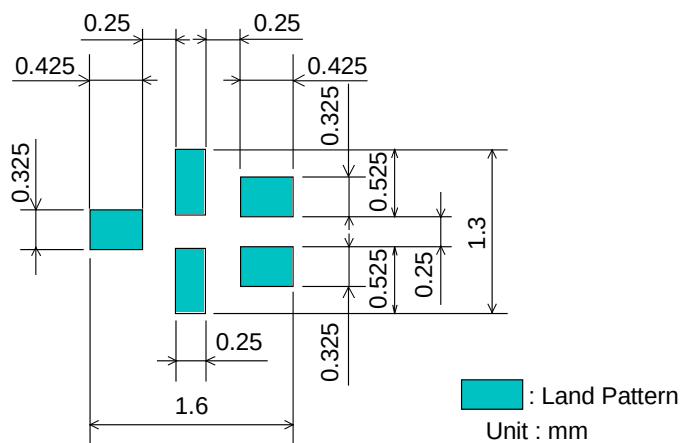
SAFEA2G45FA0F000R15 ... 5000pcs/reel

SAW FILTER FOR WLAN/Bluetooth

Murata part number : SAFEA2G45FA0F00

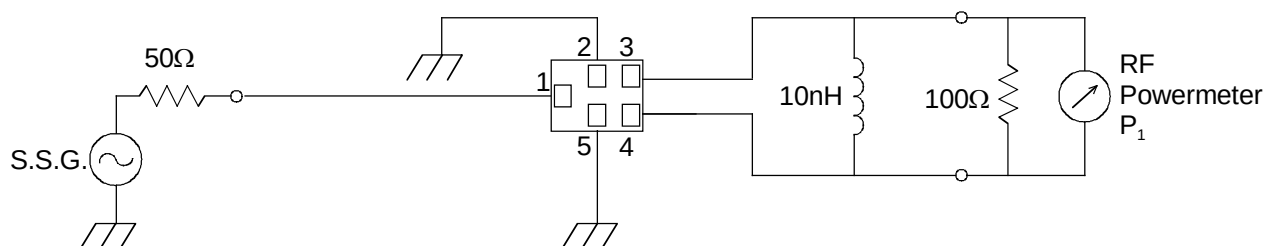
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR WLAN/Bluetooth

Murata part number : SAFEA2G45FA0F00

■ 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.