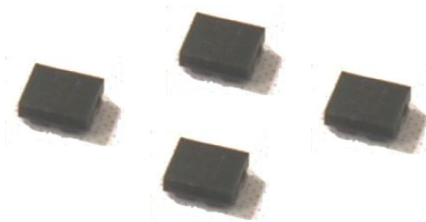




Data Sheet of SAW Components



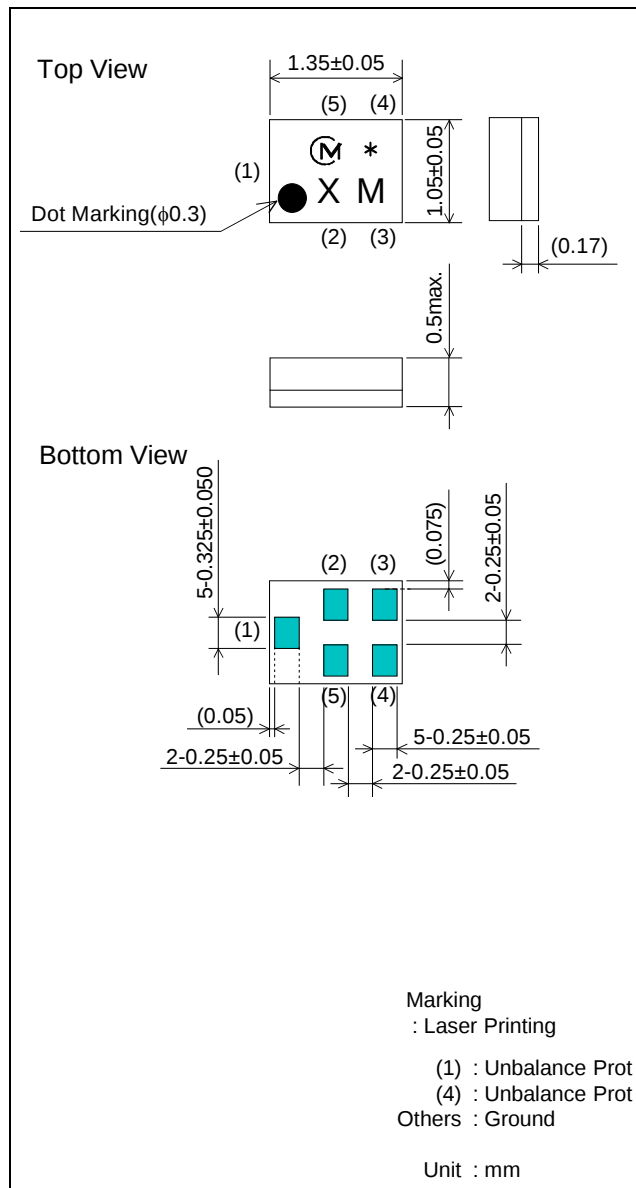
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR WLAN (2.4G)

Murata part number : SAFEA2G45AB0F00

Package Dimensions



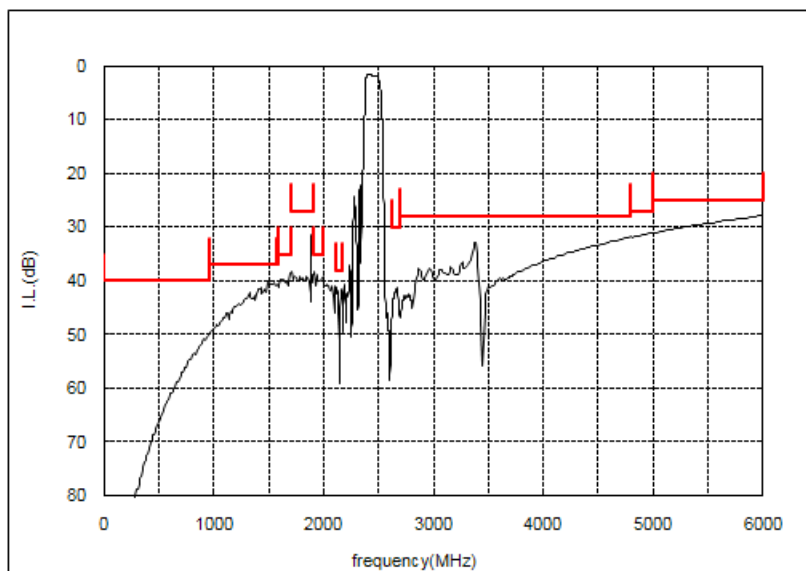
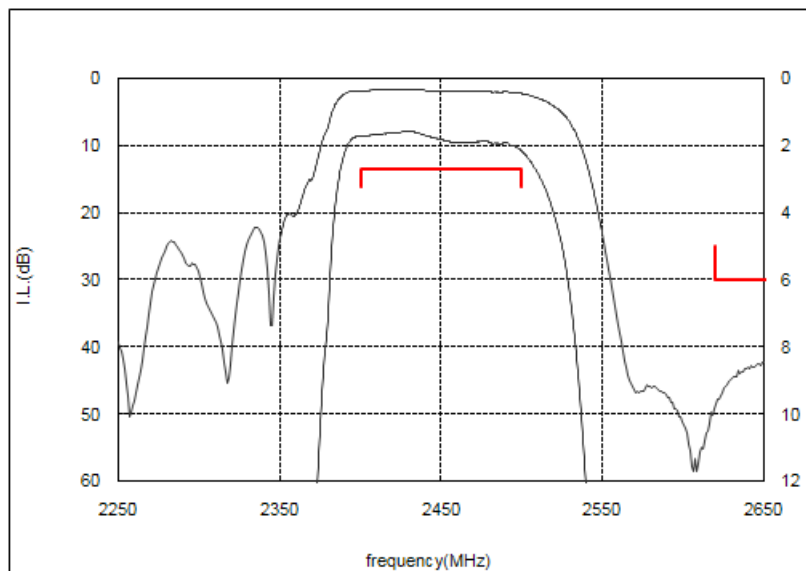
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(f_c)	2450MHz		
Insertion Loss (2400 to 2500MHz)	2.7 dB max.	2.5 dB max.	2.2 dB
Absolute Attenuation			
1) 0.1 to 960 MHz	40 dB min.	40 dB min.	50 dB
2) 960 to 1570 MHz	37 dB min.	37 dB min.	40 dB
3) 1570 to 1580 MHz	37 dB min.	37 dB min.	40 dB
4) 1580 to 1710 MHz	35 dB min.	35 dB min.	38 dB
5) 1710 to 1910 MHz	27 dB min.	27 dB min.	31 dB
6) 1910 to 1990 MHz	35 dB min.	35 dB min.	38 dB
7) 2110 to 2170 MHz	38 dB min.	38 dB min.	41 dB
8) 2620 to 2690 MHz	30 dB min.	30 dB min.	40 dB
9) 2690 to 4800 MHz	28 dB min.	28 dB min.	31 dB
10) 4800 to 5000 MHz	27 dB min.	27 dB min.	31 dB
11) 5000 to 6000 MHz	25 dB min.	25 dB min.	27 dB
Ripple Deviation (2400 to 2500MHz)	1.5dB max.	1.4dB max.	0.7 dB
VSWR (2400 to 2500MHz)	2.0 max.	2.0 max.	1.7
Unbalance Port Matching Impedance (nominal)	50Ω//5.1nH		
Input Signal Level	10mW(+10dBm), 8000 hours		

SAW FILTER FOR WLAN (2.4G)

Murata part number : SAFEA2G45AB0F00

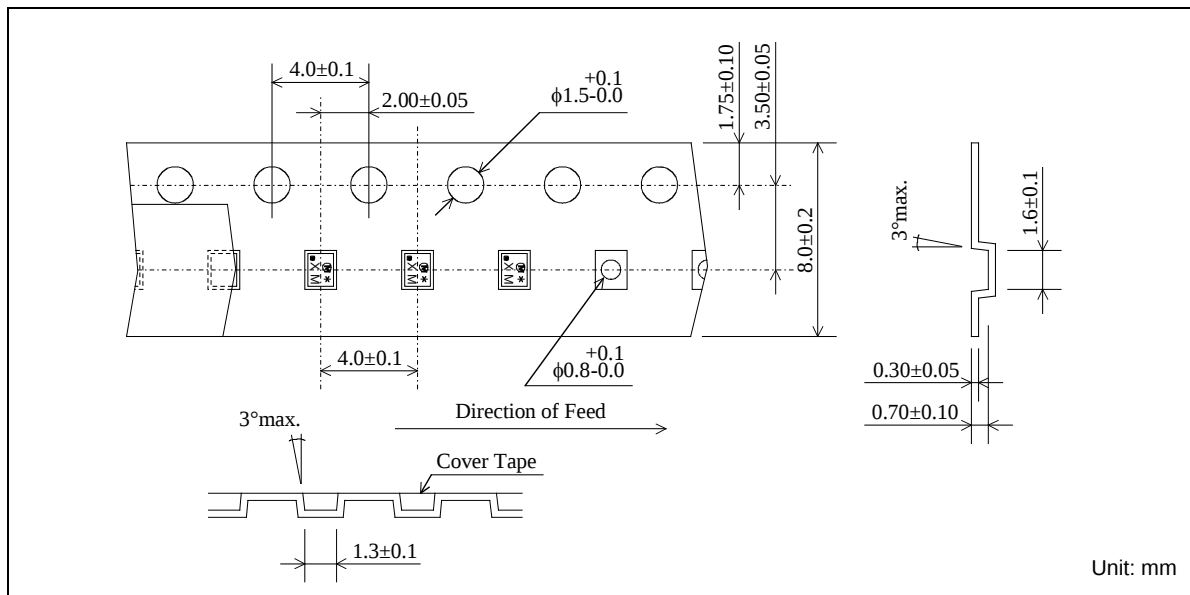
Frequency Performance



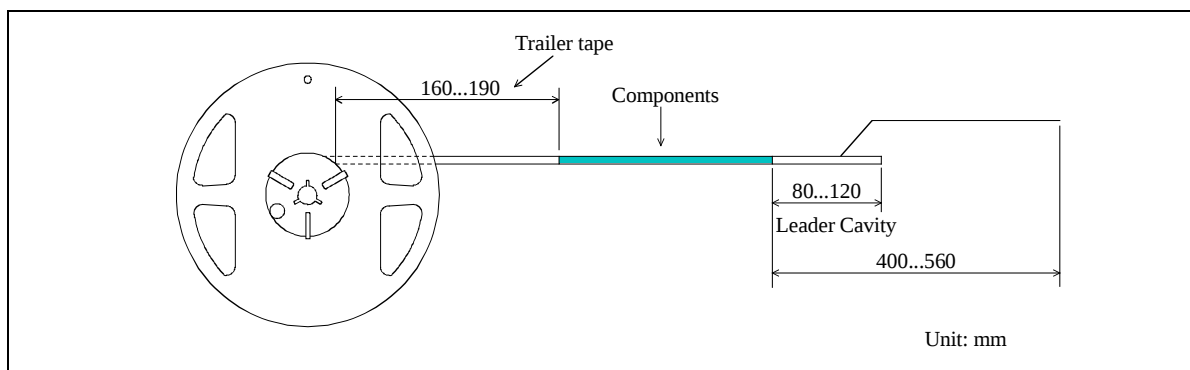
SAW FILTER FOR WLAN (2.4G)

Murata part number : SAFEA2G45AB0F00

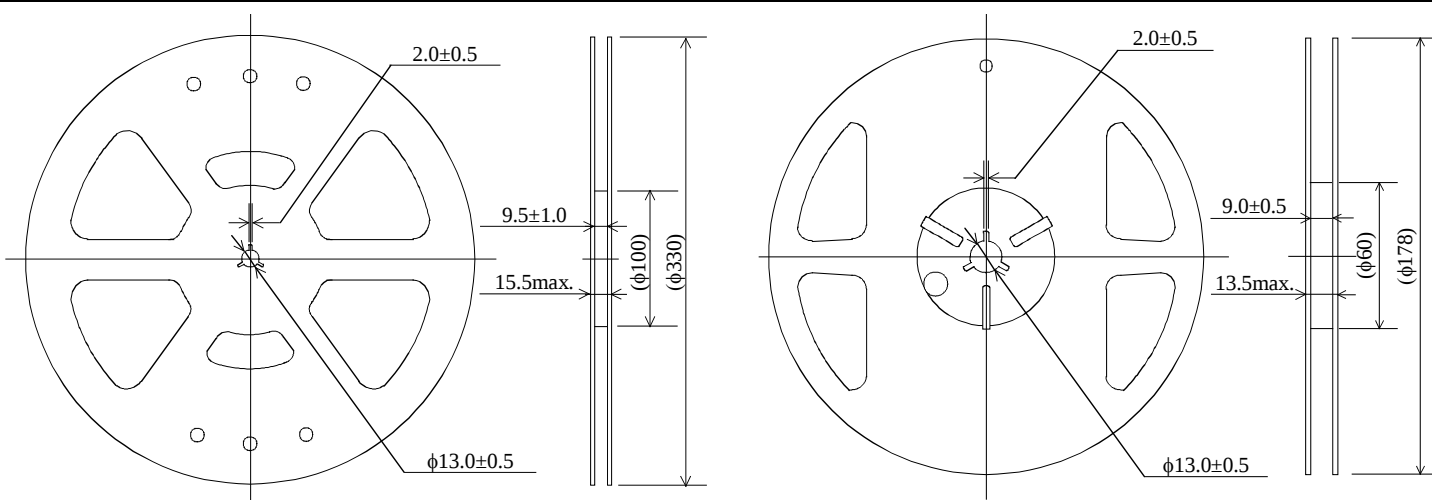
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



SAFEA2G45AB0F00R00 ... 10000pcs/reel

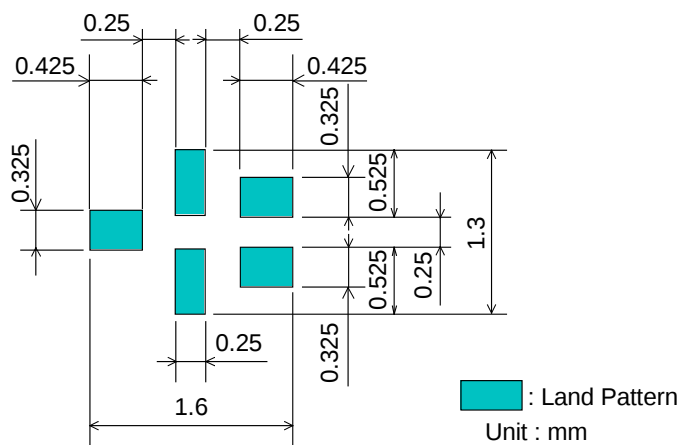
SAFEA2G45AB0F00R15 ... 5000pcs/reel

SAW FILTER FOR WLAN (2.4G)

Murata part number : SAFEA2G45AB0F00

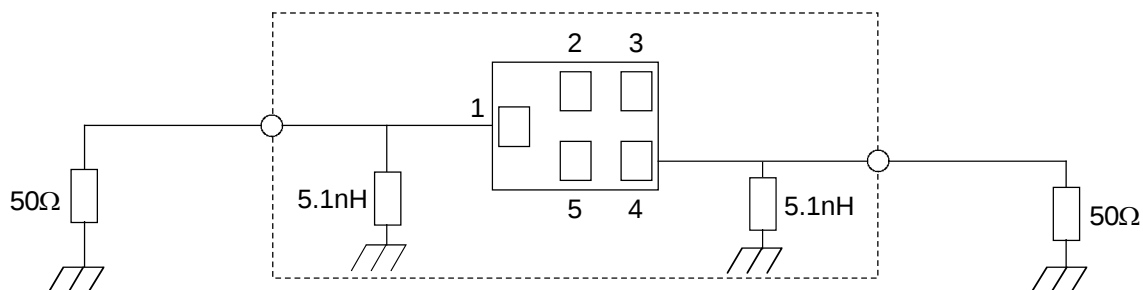
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR WLAN (2.4G)

Murata part number : SAFEA2G45AB0F00

■ 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.