



Data Sheet of SAW Components



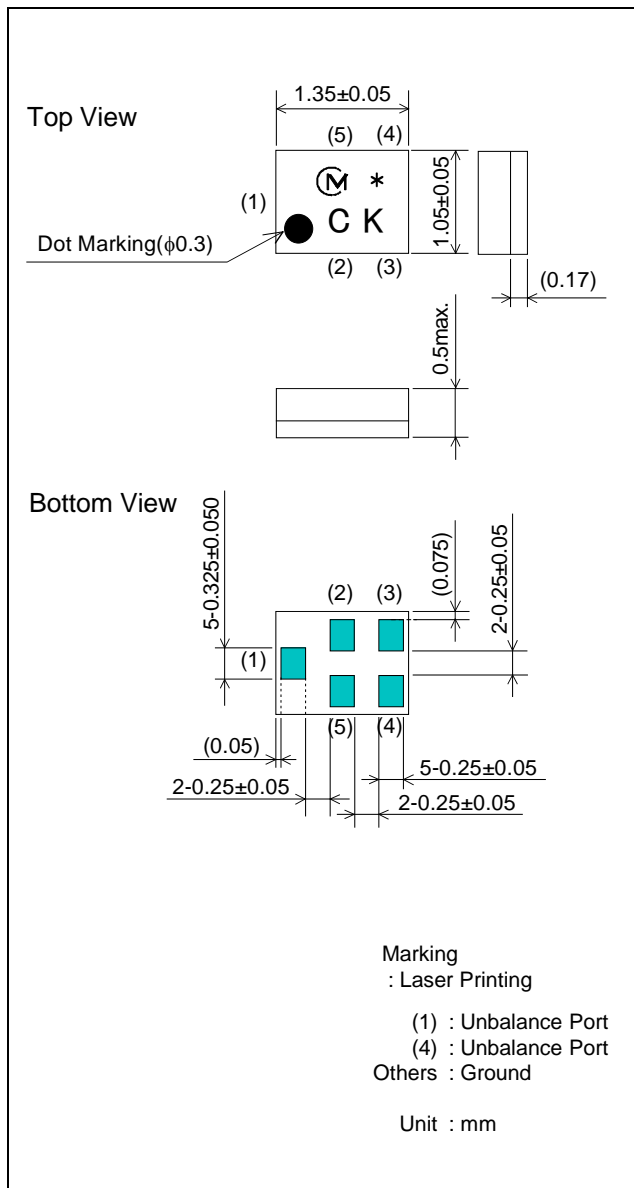
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR UMTS Band1 Rx

Murata part number : SAFEA2G14RA0F00

Package Dimensions



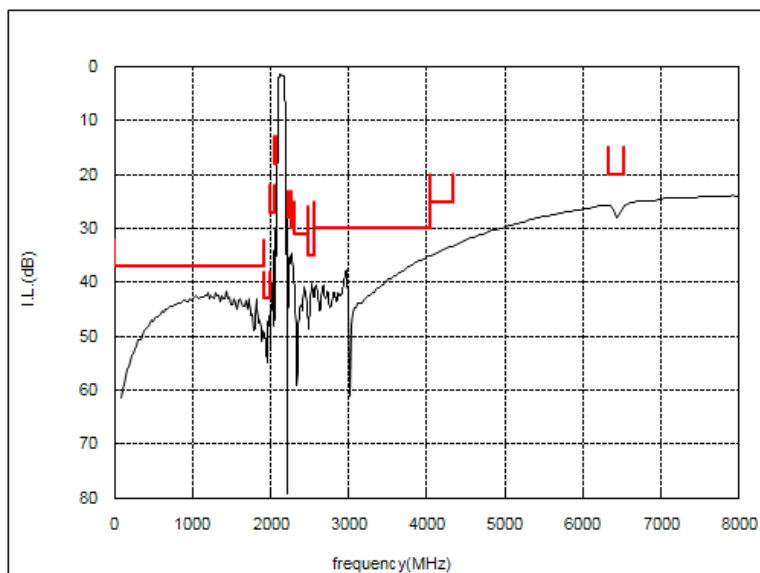
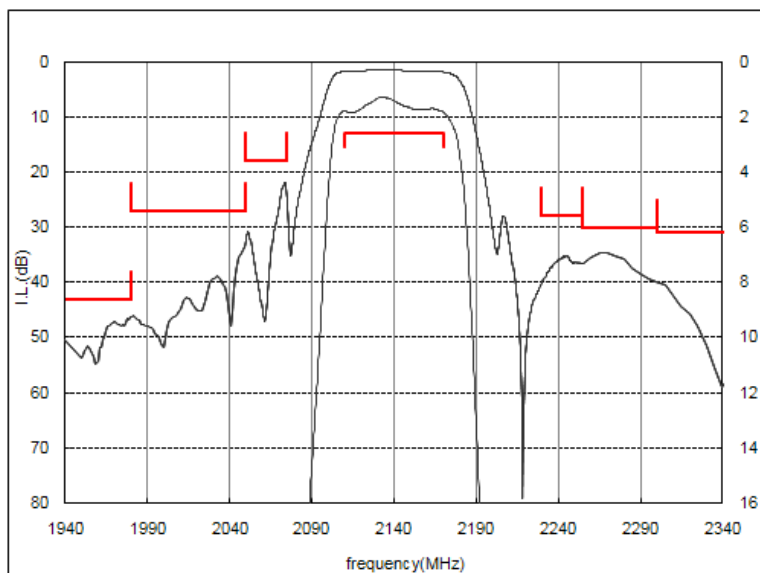
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	2140MHz		
Insertion Loss (2110 to 2170MHz)	2.6 dB max.	2.3 dB max.	1.9 dB
Absolute Attenuation			
1) 0.1 to 1920 MHz	37 dB min.	37 dB min.	41 dB
2) 1920 to 1980 MHz	43 dB min.	43 dB min.	48 dB
3) 1980 to 2050 MHz	27 dB min.	27 dB min.	32 dB
4) 2050 to 2075 MHz	18 dB min.	18 dB min.	21 dB
5) 2230 to 2255 MHz	28 dB min.	28 dB min.	35 dB
6) 2255 to 2300 MHz	30 dB min.	30 dB min.	34 dB
7) 2300 to 2480 MHz	31 dB min.	31 dB min.	40 dB
8) 2480 to 2550 MHz	35 dB min.	35 dB min.	41 dB
9) 2550 to 4030 MHz	30 dB min.	30 dB min.	36 dB
10) 4030 to 4340 MHz	25 dB min.	25 dB min.	34 dB
11) 6330 to 6510 MHz	20 dB min.	20 dB min.	26 dB
Ripple Deviation (2110 to 2170MHz)	1.6 dB max.	1.4 dB max.	0.6 dB
VSWR (2110 to 2170MHz)	2.0 max.	1.9 max.	1.7
Unbalance Port Matching Impedance (nominal)	50Ω		
Input Signal Level	50mW (+17dBm), 20000hours, +55°C		

SAW FILTER FOR UMTS Band1 Rx

Murata part number : SAFEA2G14RA0F00

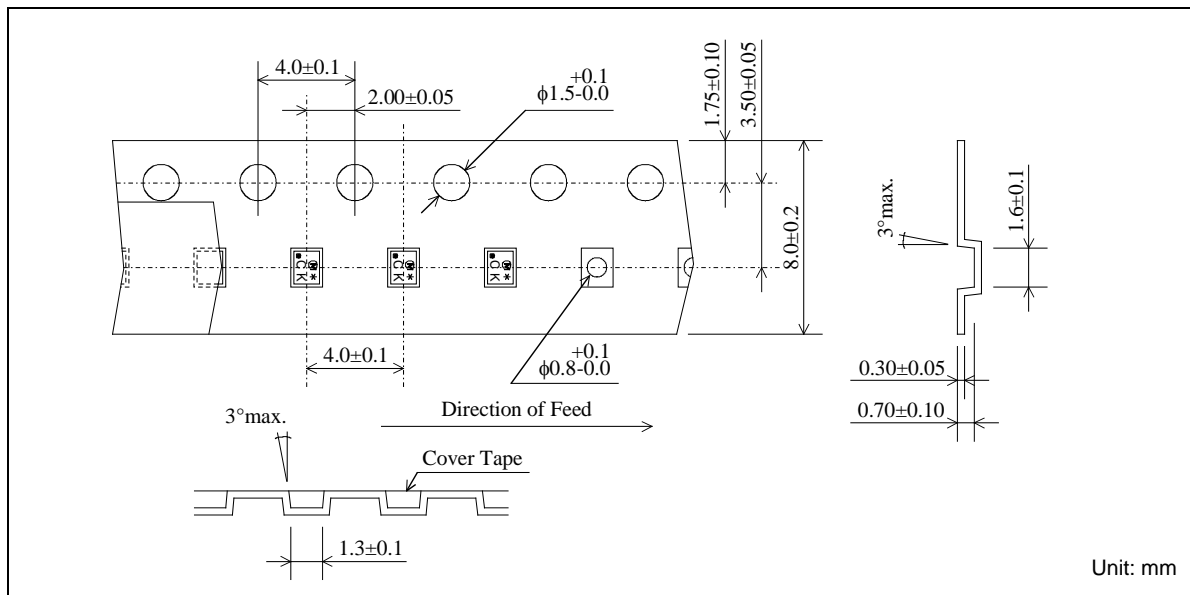
■ Frequency Performance



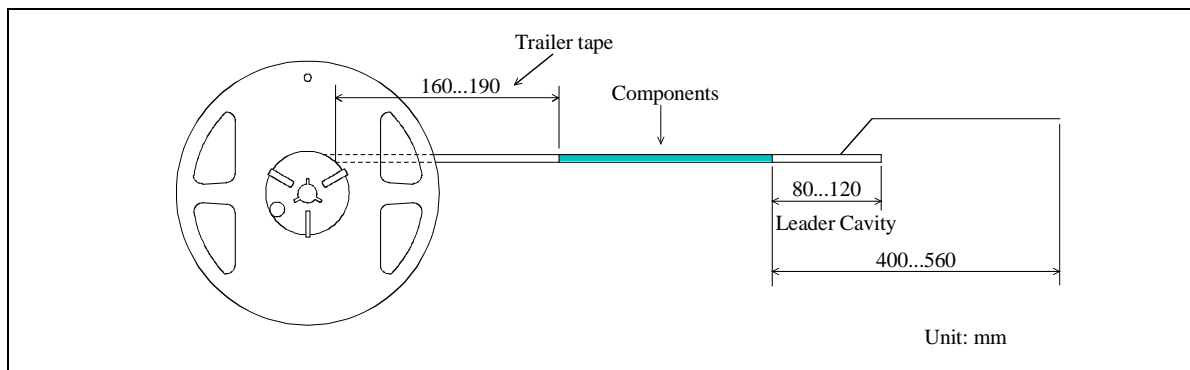
SAW FILTER FOR UMTS Band1 Rx

Murata part number : SAFEA2G14RA0F00

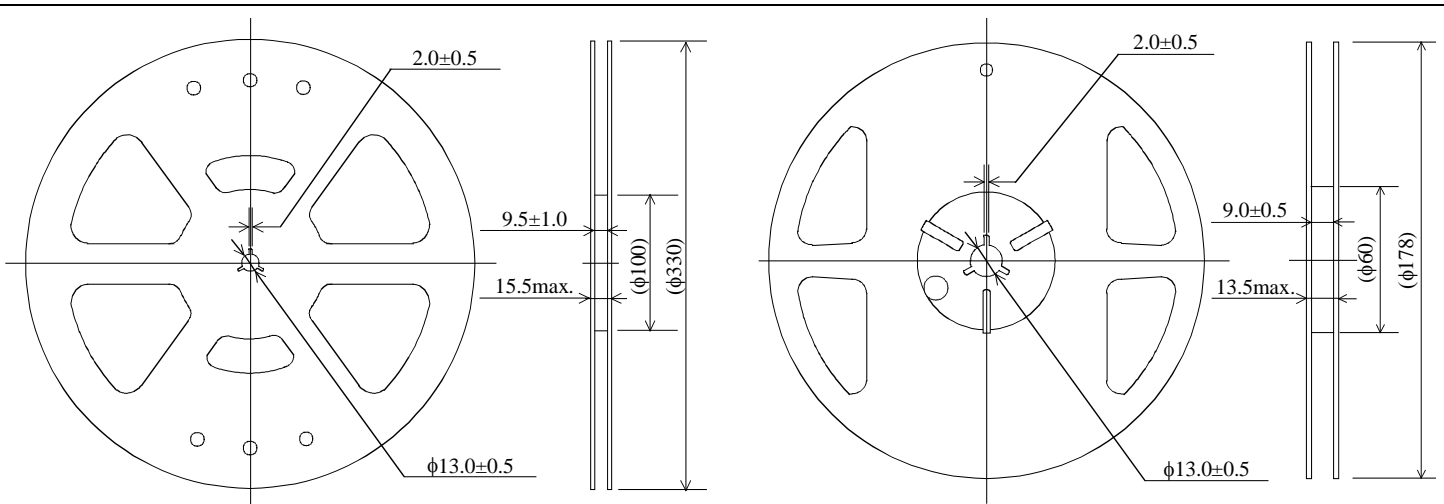
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



SAFEA2G14RA0F00R00 ... 10000pcs/reel

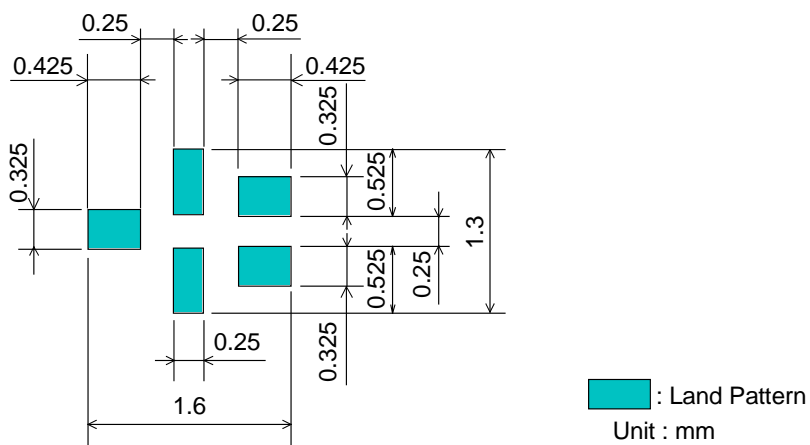
SAFEA2G14RA0F00R15 ... 5000pcs/reel

SAW FILTER FOR UMTS Band1 Rx

Murata part number : SAFEA2G14RA0F00

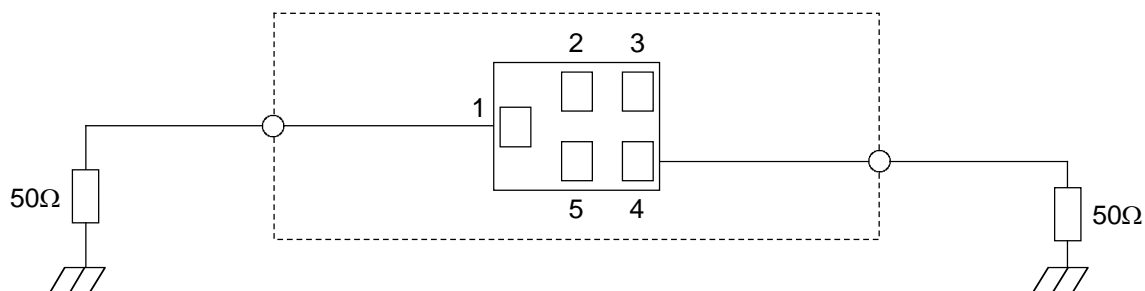
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR UMTS Band1 Rx

Murata part number : SAFEA2G14RA0F00

■ 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.