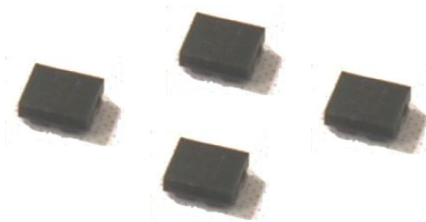




Data Sheet of SAW Components



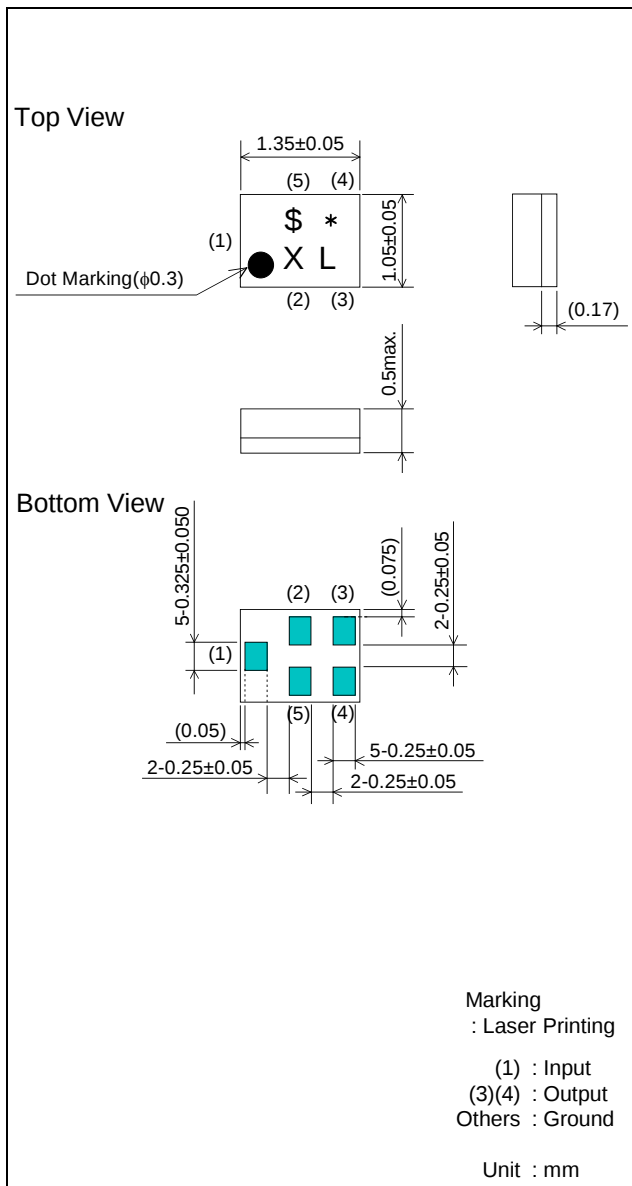
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR WiMAX[®](2.5G)

Murata part number : SAFEA2G56FA0F00

Package Dimensions



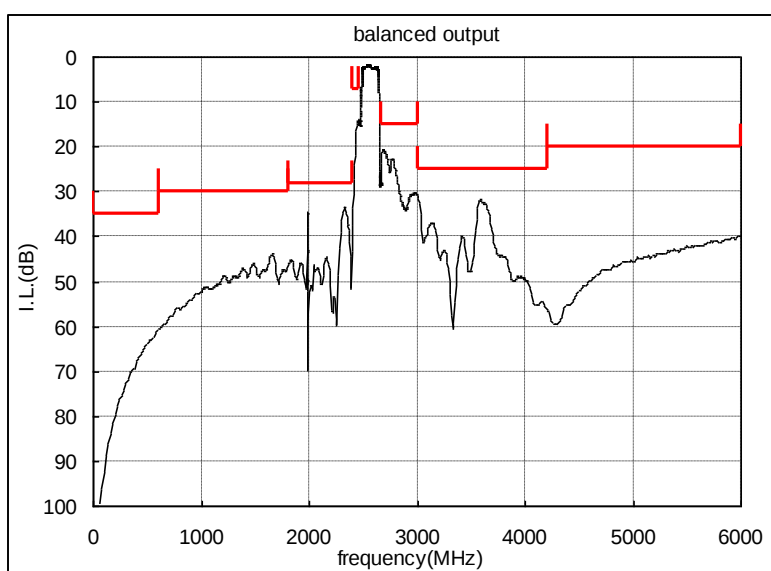
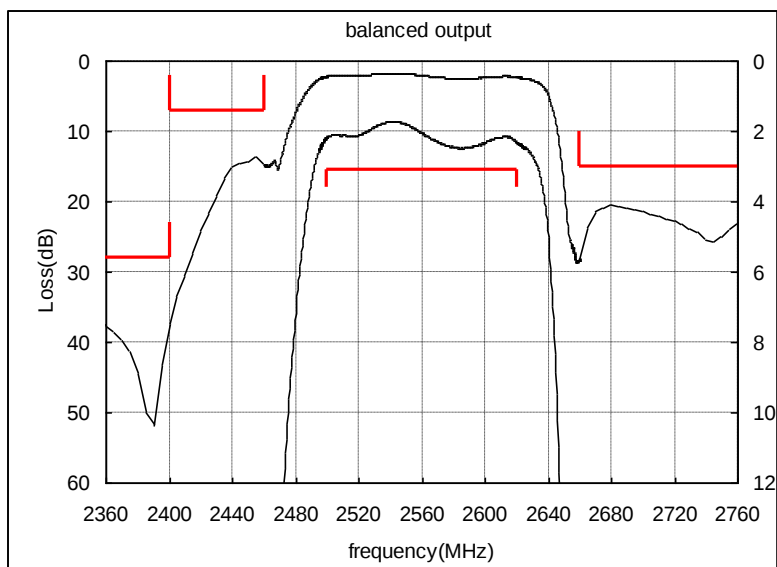
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	2560MHz		
Insertion Loss (2500 to 2620MHz)	3.1 dB max.	2.8dB max.	2.6 dB
Absolute Attenuation			
1) 0.3 to 600 MHz	35 dB min.	35 dB min.	58 dB
2) 600 to 1800 MHz	30 dB min.	30 dB min.	42 dB
3) 1800 to 2400 MHz	28 dB min.	28 dB min.	33 dB
4) 2400 to 2460 MHz	7 dB min.	10 dB min.	14 dB
5) 2660 to 3000 MHz	15 dB min.	17 dB min.	21 dB
6) 3000 to 4200 MHz	25 dB min.	25 dB min.	31 dB
7) 4200 to 6000 MHz	20 dB min.	20 dB min.	38 dB
Ripple Deviation (2500 to 2620MHz)	2.0dB max.	1.5dB max.	0.6 dB
VSWR (2500 to 2620MHz)	2.4 max.	2.3 max.	2.1
Amplitude Balance (2500 to 2620MHz)	±2.2dB max.	±2.0dB max.	-1.1dB
Phase Balance (2500 to 2620MHz)	180±12deg. max.	180±10deg. max.	180±5.7deg.
Input Impedance (nominal)	50Ω		
Output Impedance (nominal)	100Ω//10nH		
Input Signal Level	10mW (+10dBm), 8000 hours		

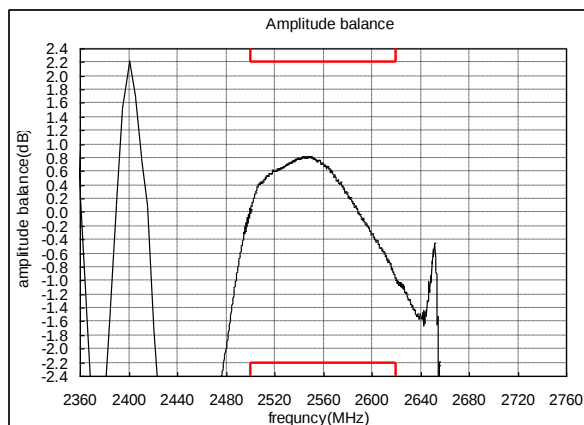
SAW FILTER FOR WiMAX[®](2.5G)

Murata part number : SAFEA2G56FA0F00

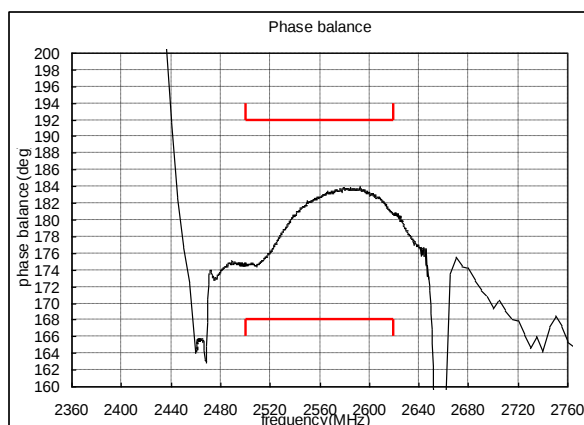
Frequency Performance



Amplitude balance



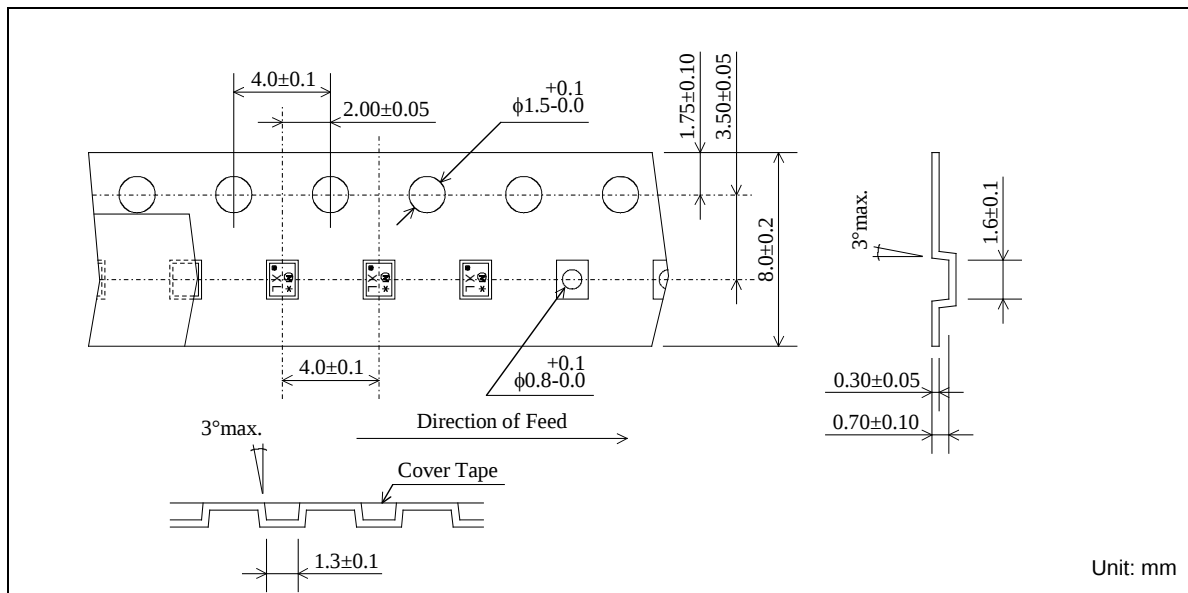
Phase balance



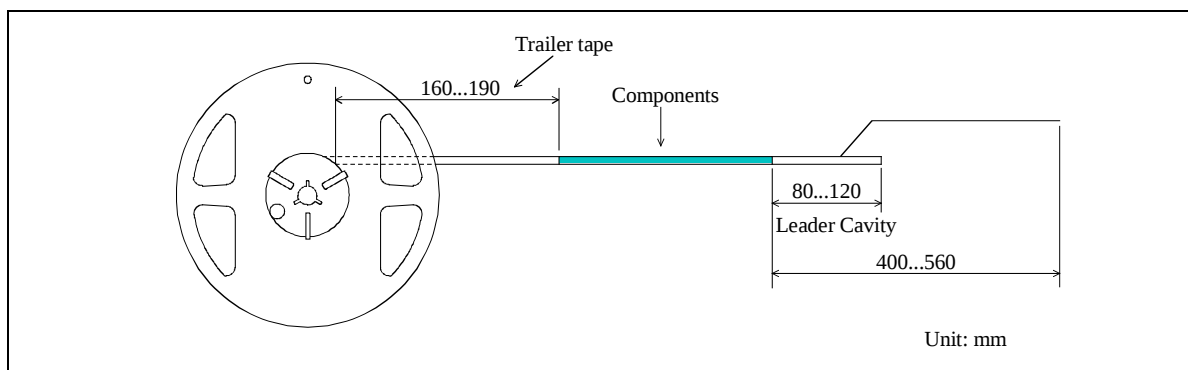
SAW FILTER FOR WiMAX[®] (2.5G)

Murata part number : SAFEA2G56FA0F00

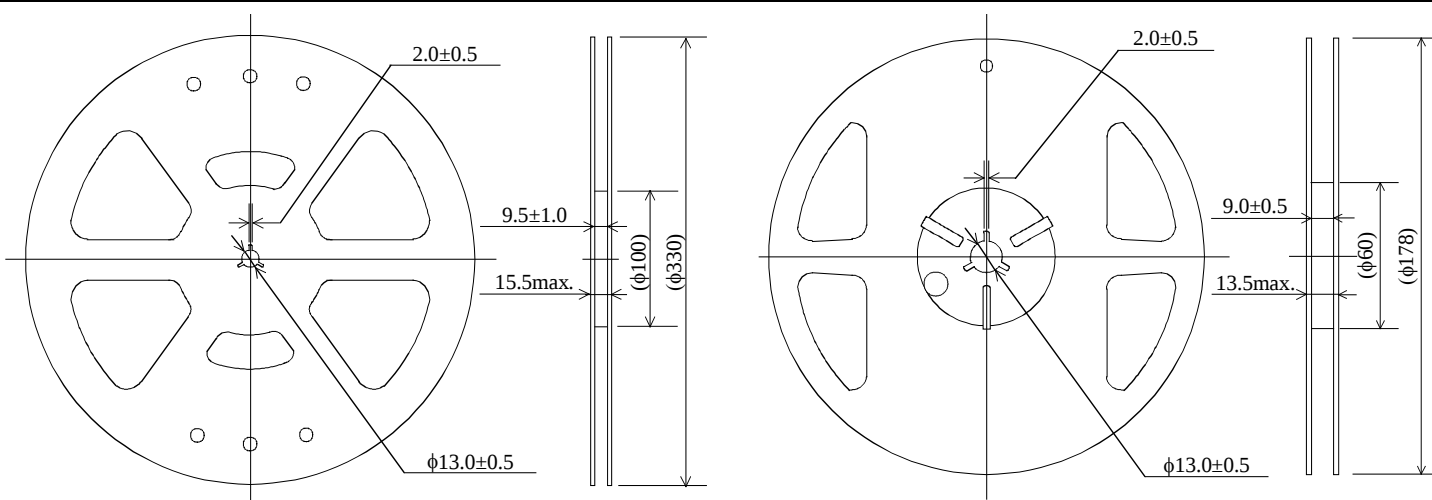
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



SAFEA2G56FA0F00R00 ... 10000pcs/reel

SAFEA2G56FA0F00R15 ... 5000pcs/reel

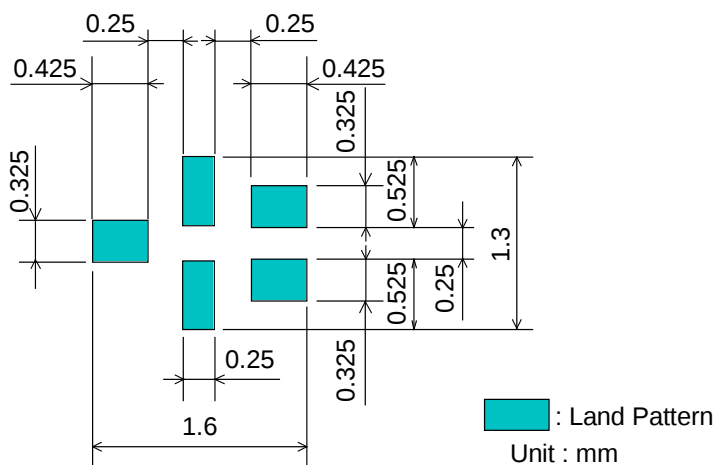
Unit: mm

SAW FILTER FOR WiMAX[®] (2.5G)

Murata part number : SAFEA2G56FA0F00

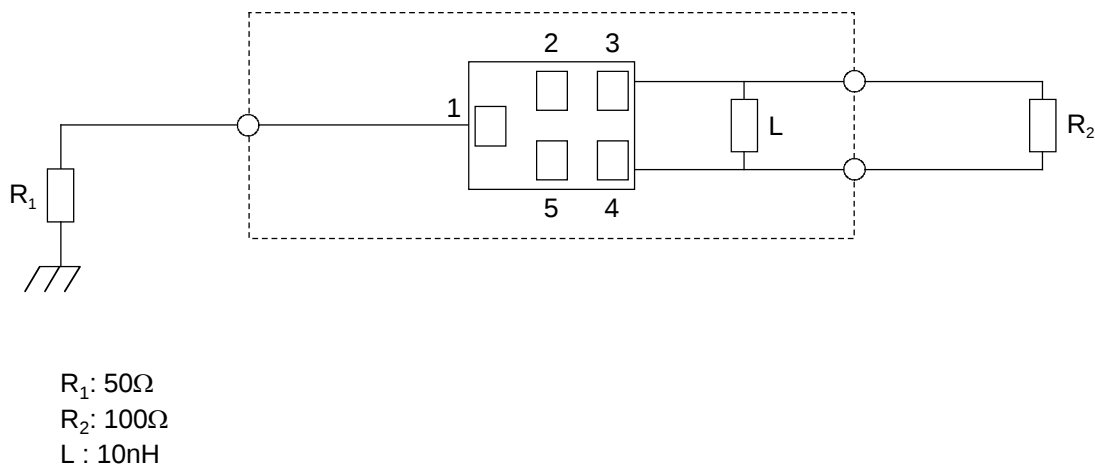
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR WiMAX[®] (2.5G)

Murata part number : SAFEA2G56FA0F00

■ 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.