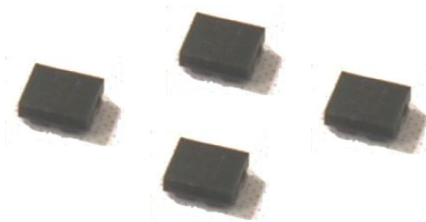




Data Sheet of SAW Components



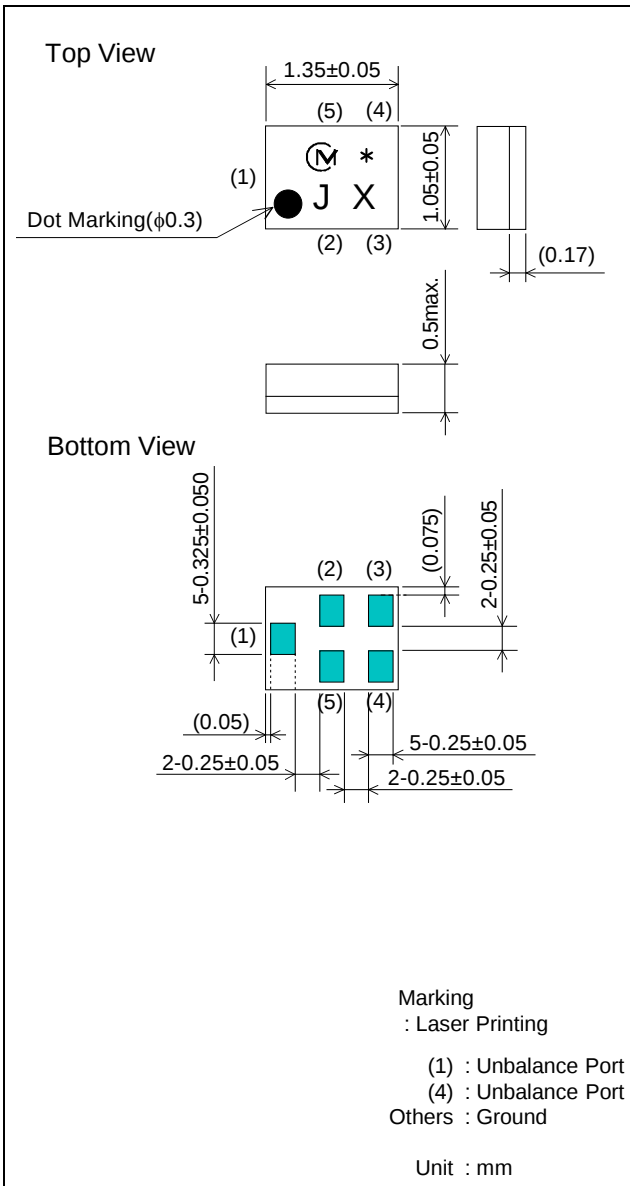
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR GPS

Murata part number :SAFEA1G57KD0F00

Package Dimensions



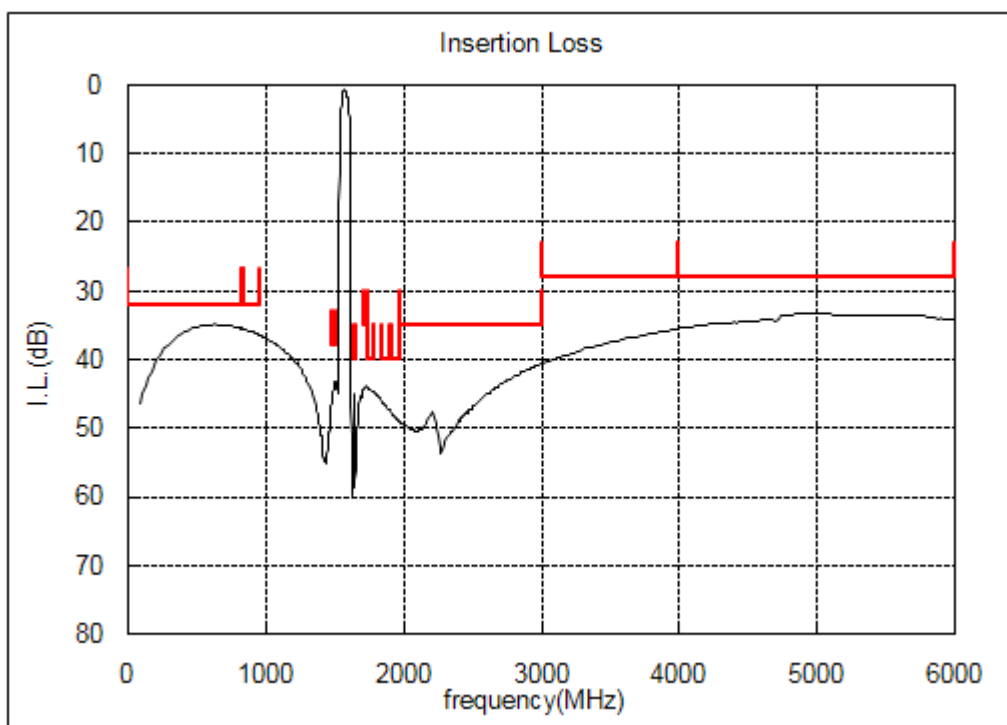
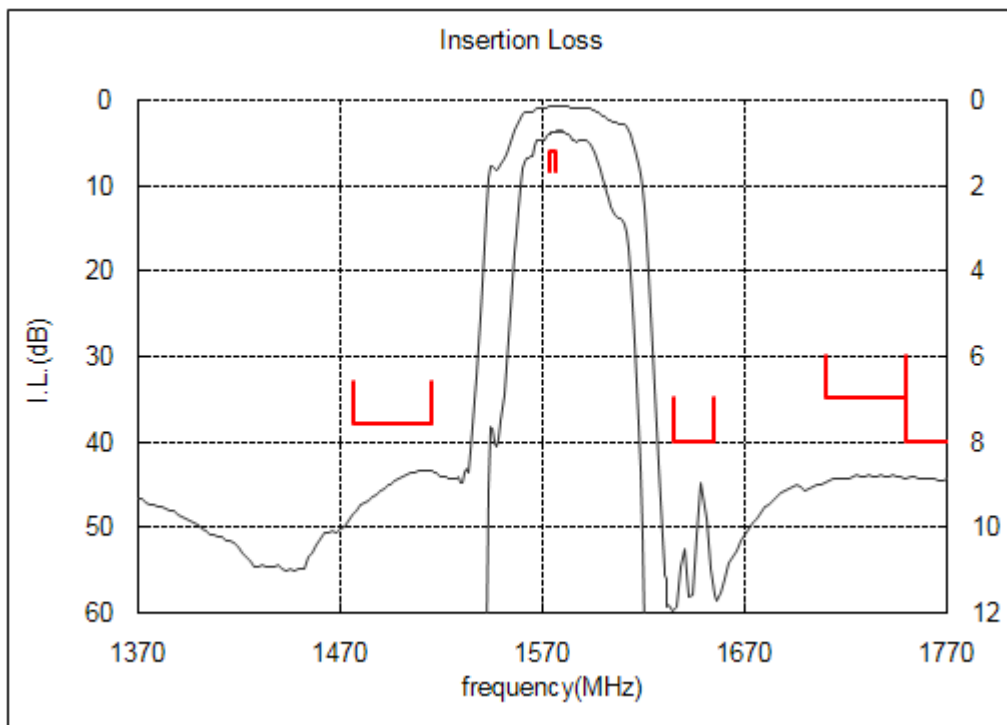
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	1575.42MHz		
Insertion Loss (1574.22 to 1576.62MHz)	1.2 dB max.	1.1 dB max.	0.8 dB
Absolute Attenuation			
1) 0.1 to 824 MHz	32 dB min.	32 dB min.	35 dB
2) 824 to 849 MHz	32 dB min.	32 dB min.	35 dB
3) 849 to 960 MHz	32 dB min.	32 dB min.	35 dB
4) 1477 to 1515 MHz	38 dB min.	38 dB min.	43 dB
5) 1635 to 1655 MHz	40 dB min.	40 dB min.	45 dB
6) 1710 to 1750 MHz	35 dB min.	35 dB min.	44 dB
7) 1750 to 1780 MHz	40 dB min.	40 dB min.	44 dB
8) 1780 to 1785 MHz	40 dB min.	40 dB min.	44 dB
9) 1850 to 1910 MHz	40 dB min.	40 dB min.	46 dB
10) 1920 to 1980 MHz	40 dB min.	40 dB min.	48 dB
11) 1980 to 3000 MHz	35 dB min.	35 dB min.	40 dB
12) 3000 to 4000 MHz	28 dB min.	28 dB min.	35 dB
13) 4000 to 6000 MHz	28 dB min.	28 dB min.	32 dB
Ripple Deviation (1574.22 to 1576.62MHz)	0.5dB max.	0.4dB max.	0.02 dB
VSWR (1574.22 to 1576.62MHz)	1.7 max.	1.6 max.	1.2
Unbalance Port Matching Impedance (nominal)	50Ω		
Input Signal Level	20mW (+13dBm), 2000 hours		

SAW FILTER FOR GPS

Murata part number :SAFEA1G57KD0F00

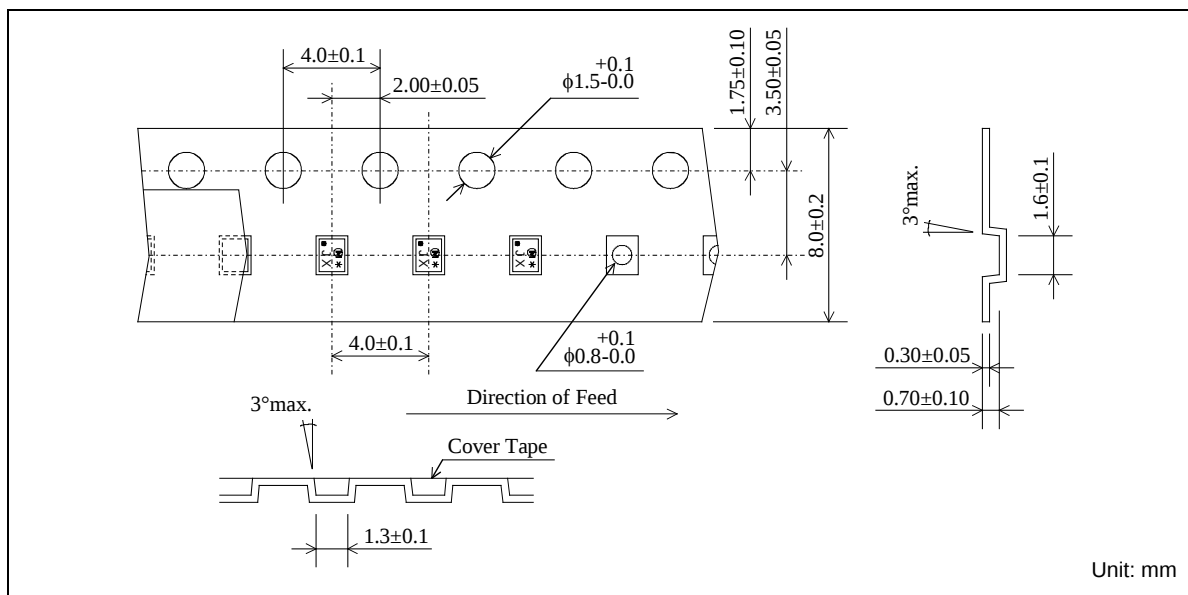
Frequency Performance



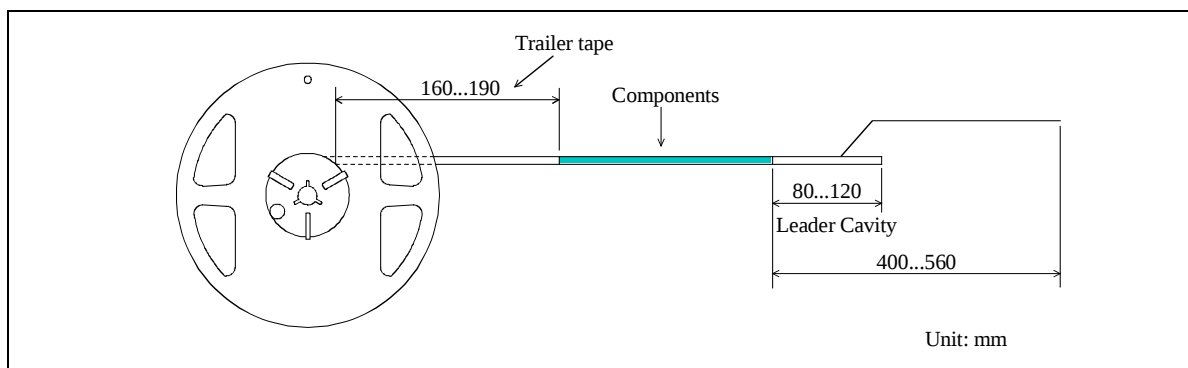
SAW FILTER FOR GPS

Murata part number :SAFEA1G57KD0F00

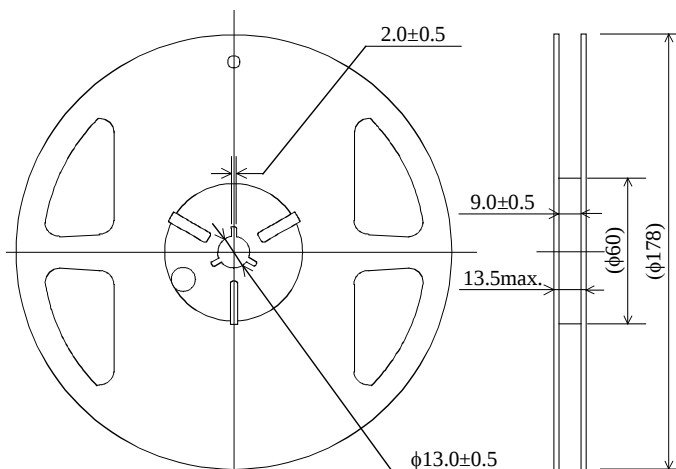
■ Dimensions of Carrier Tape



■ Dimensions of Tape



■ Dimensions of Reel



SAFEA1G57KD0F00R14 ... 4000pcs/reel
SAFEA1G57KD0F00R12 ... 2000pcs/reel

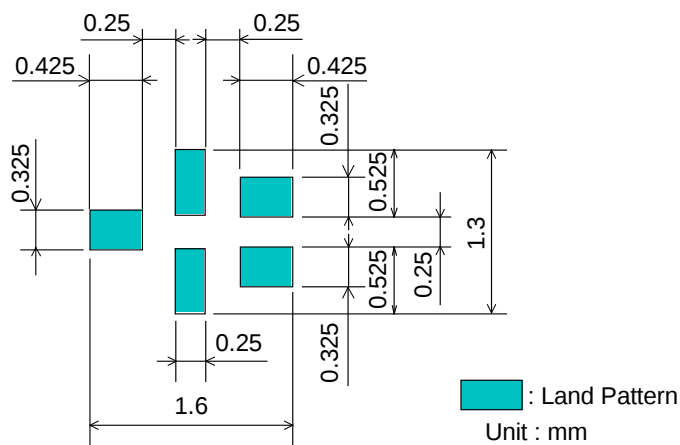
Unit: mm

SAW FILTER FOR GPS

Murata part number :SAFEA1G57KD0F00

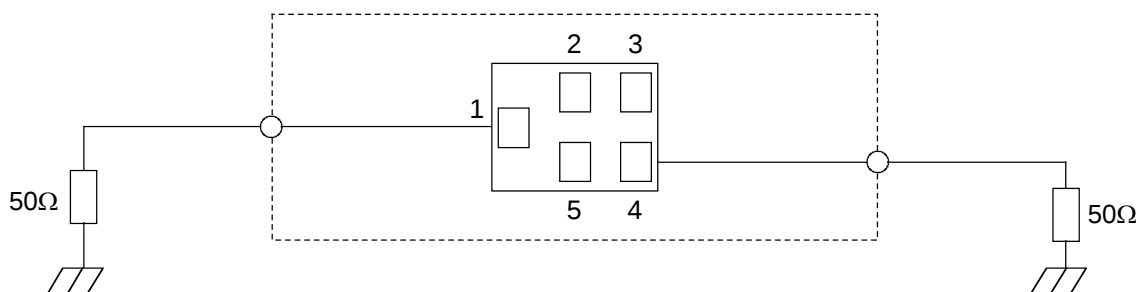
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR GPS

Murata part number :SAFEA1G57KD0F00

■ 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.