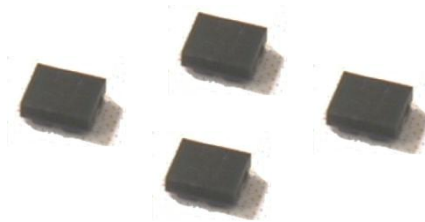




Data Sheet of SAW Components

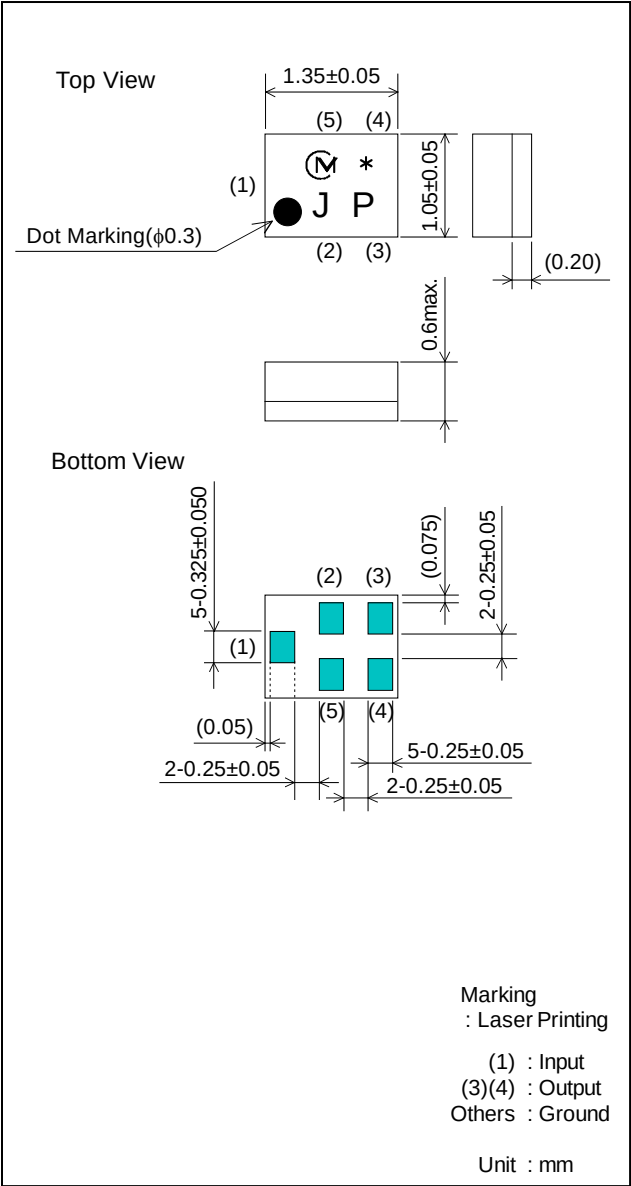


Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.
Please also read caution at the end of this document.

SAW FILTER FOR GPS

Murata part number :SAFE1G57FM0F00

Package Dimensions



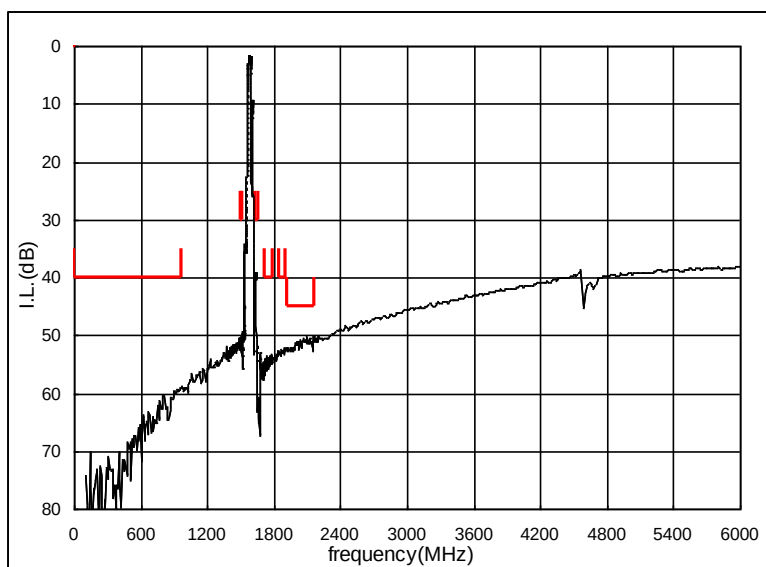
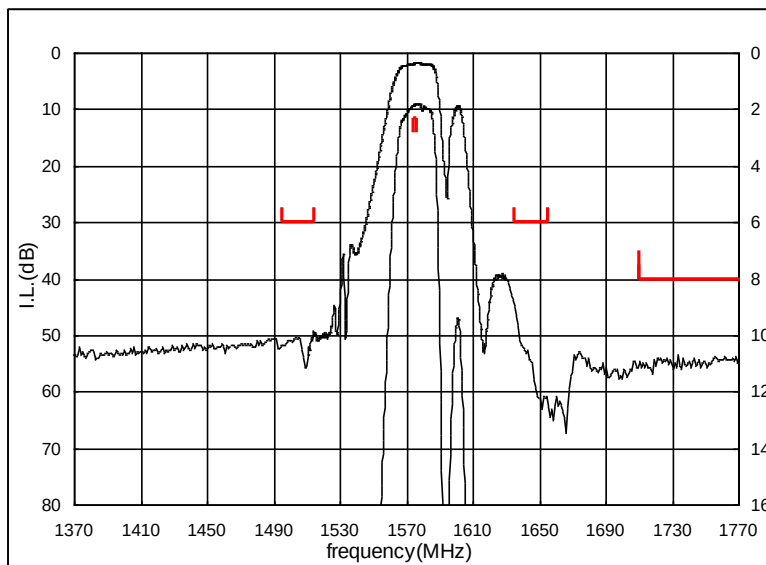
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	1575.42MHz		
Insertion Loss (1574.22 to 1576.62MHz)	2.3 dB max.	2.2 dB max.	1.9 dB
Absolute Attenuation			
1) 0.1 to 960 MHz	40 dB min.	40 dB min.	60 dB
2) 1495 to 1515 MHz	30 dB min.	30 dB min.	50 dB
3) 1635 to 1655 MHz	30 dB min.	30 dB min.	45 dB
4) 1710 to 1785 MHz	40 dB min.	40 dB min.	55 dB
5) 1850 to 1910 MHz	40 dB min.	40 dB min.	54 dB
6) 1920 to 2170 MHz	45 dB min.	45 dB min.	52 dB
Ripple Deviation (1574.22 to 1576.62MHz)	0.6dB max.	0.6dB max.	0.1 dB
VSWR (1574.22 to 1576.62MHz)	1.5 max.	1.5 max.	1.2
Amplitude Balance (1574.22 to 1576.62MHz)	±0.5dB max.	±0.5dB max.	±0.1dB
Phase Balance (1574.22 to 1576.62MHz)	180±5deg. max.	180±5deg. max.	180.0±2.5deg.
Input Impedance (nominal)	50Ω		
Output Impedance (nominal)	100Ω		
Input Signal Level	20mW (+13dBm), 2000 hours		

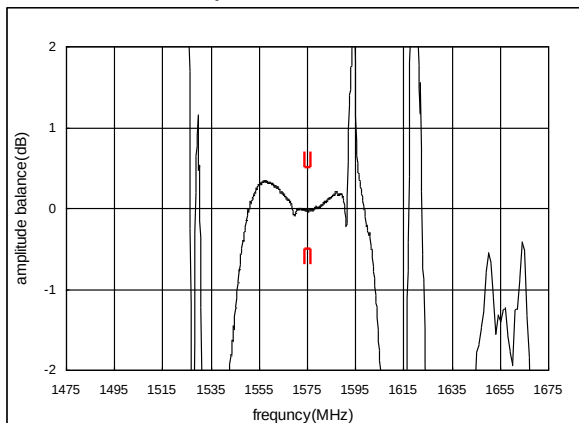
SAW FILTER FOR GPS

Murata part number :SAFE1G57FM0F00

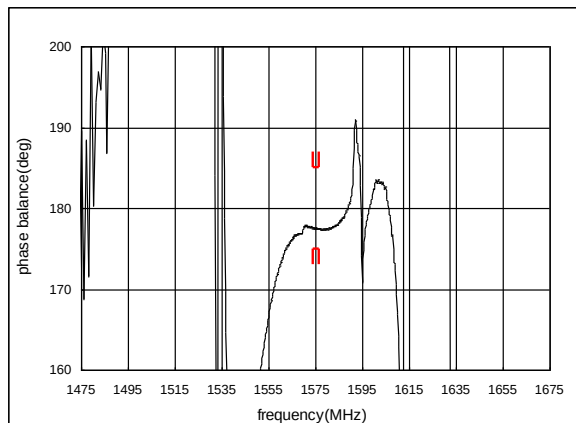
Frequency Performance



Amplitude balance



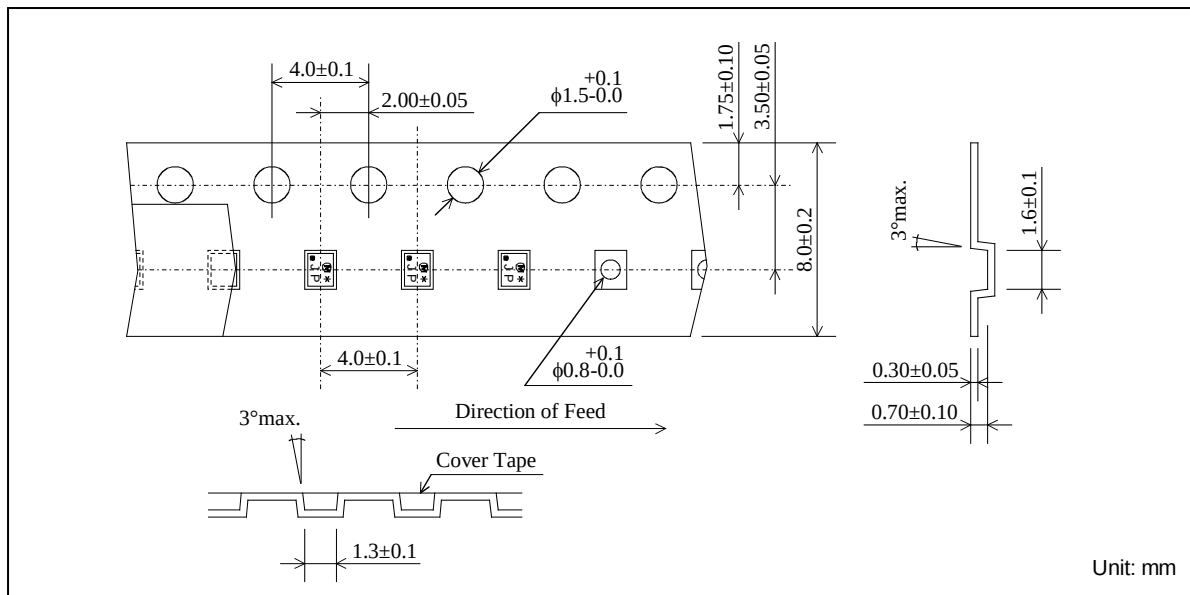
Phase balance



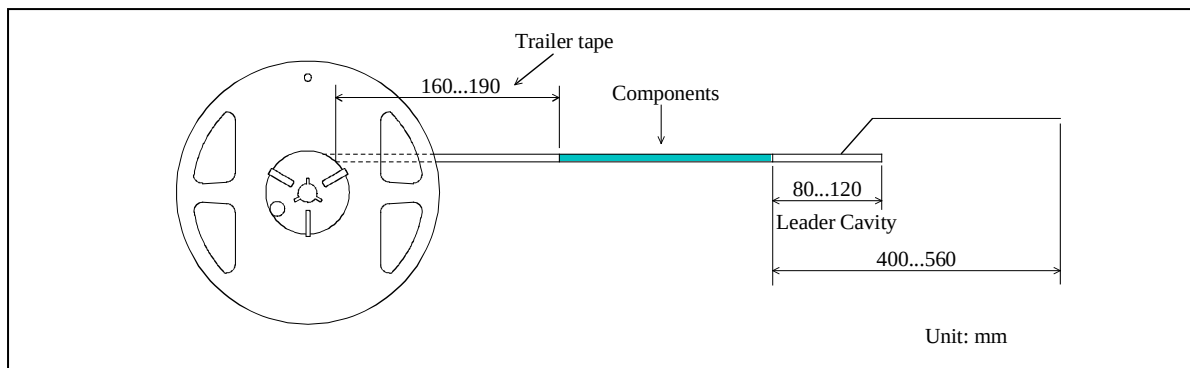
SAW FILTER FOR GPS

Murata part number :SAFE1G57FM0F00

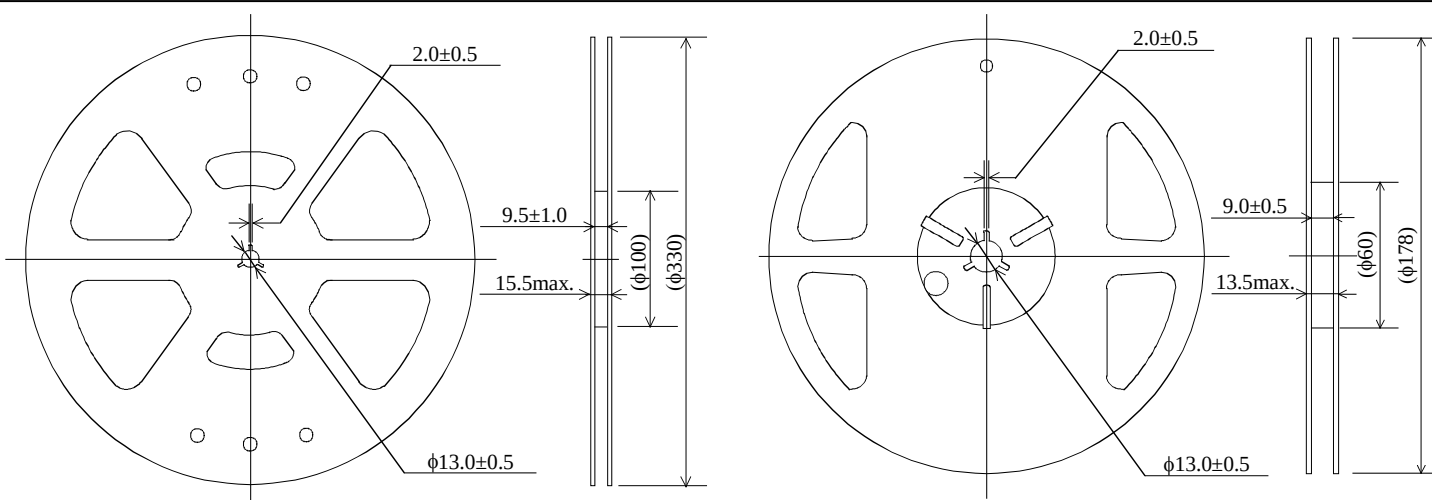
■ Dimensions of Carrier Tape



■ Dimensions of Tape



■ Dimensions of Reel



SAFE1G57FM0F00R00 ... 10000pcs/reel

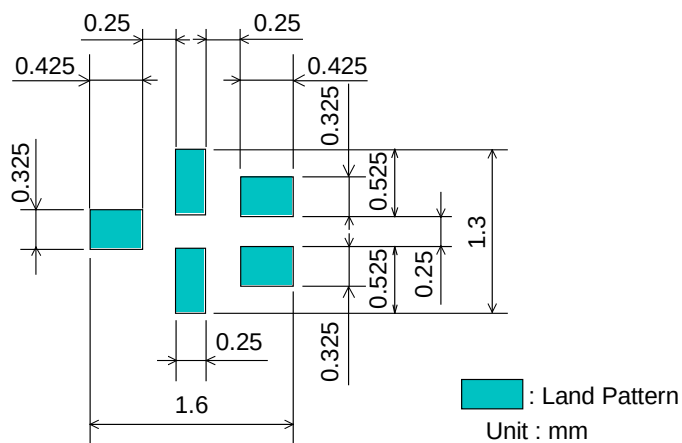
SAFE1G57FM0F00R15 ... 5000pcs/reel

SAW FILTER FOR GPS

Murata part number :SAFE1G57FM0F00

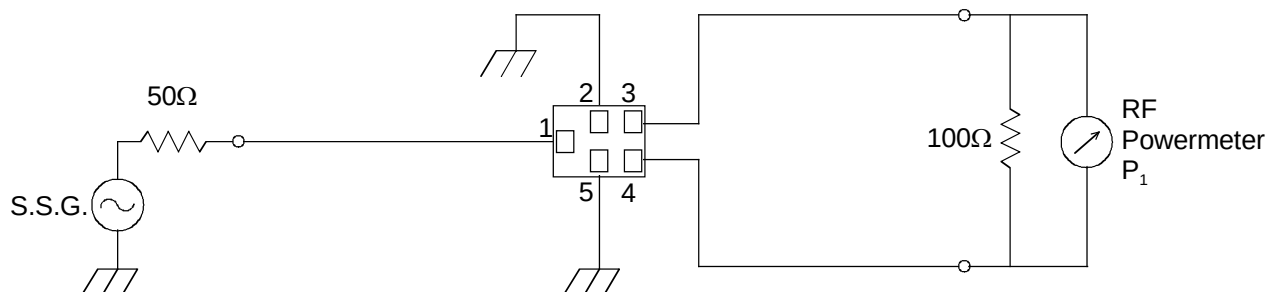
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR GPS

Murata part number :SAFE1G57FM0F00

■ 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.

SAW FILTER FOR GPS

Murata part number :SAFE1G57FM0F00

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- Aerospace equipment
- Undersea equipment.
- Power plant control equipment - Medical equipment.
- Transportation equipment (vehicles, trains, ships, elevator, etc.).
- Traffic signal equipment.
- Disaster prevention / crime prevention equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.

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Please note that we may discontinue the manufacture of our products, due to reasons such as end of supply of materials and/or components from our suppliers.

SAW FILTER FOR GPS

Murata part number :SAFE1G57FM0F00

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