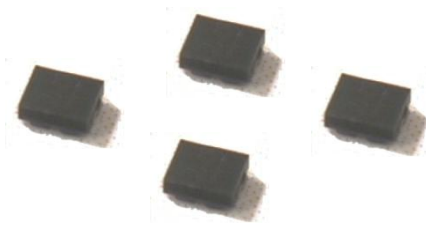




# Data Sheet of SAW Components



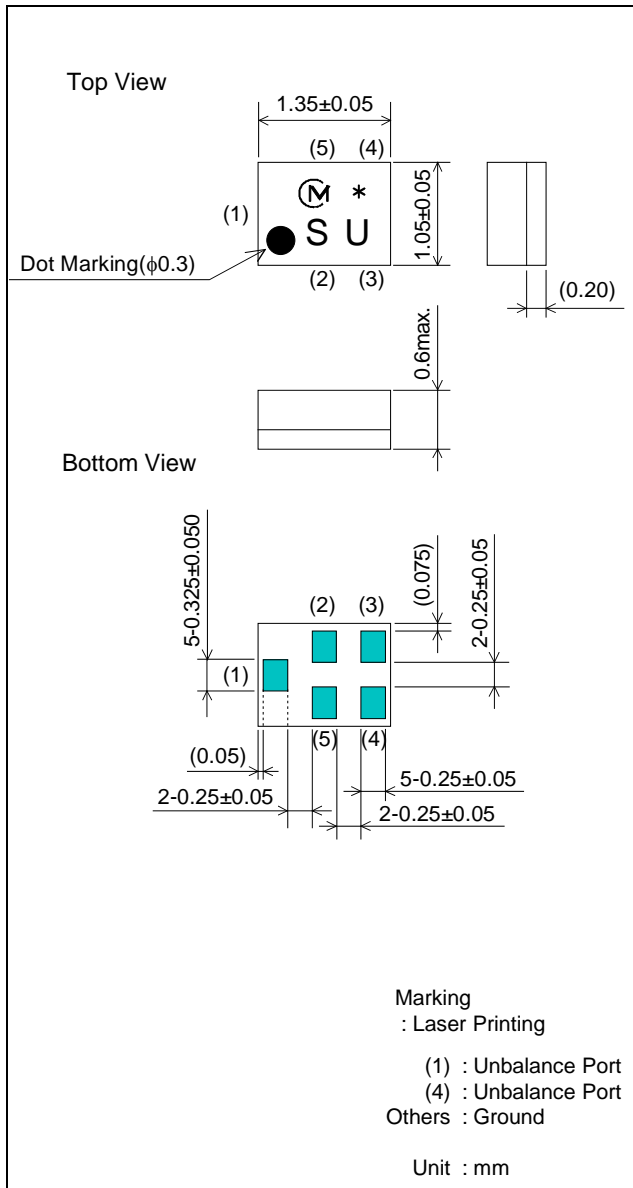
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

# SAW FILTER FOR GSM1800 Rx

Murata part number :SAFEB1G84AA0F00

## Package Dimensions



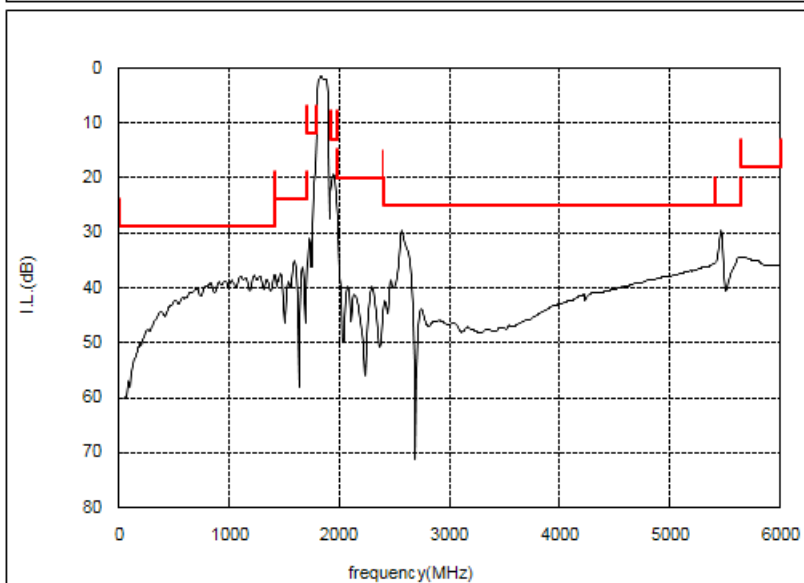
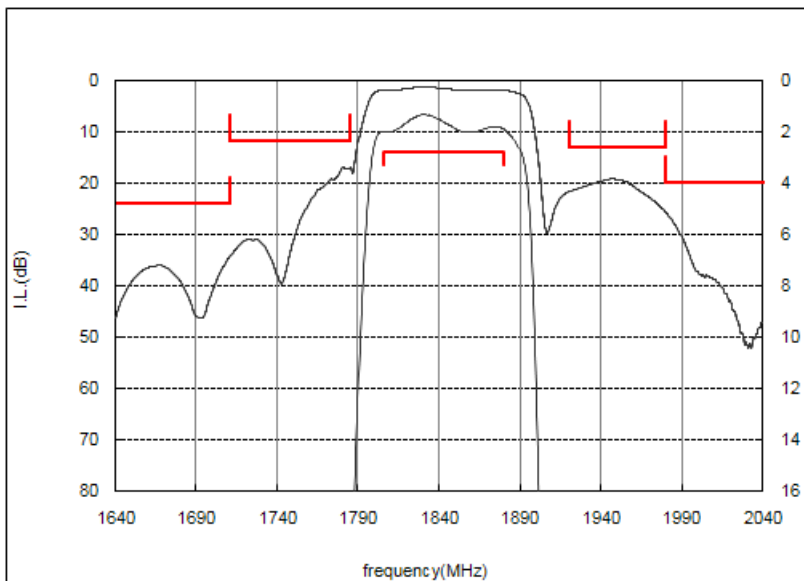
## Specification

Item	Specification			
	-30 to 85°C	-25 to 75°C	25±2°C	typ.
Nominal Center Frequency(fc)	1842.5 MHz			
Insertion Loss (1805 to 1880MHz)	2.8 dB max	2.7 dB max	2.5 dB max	2.1 dB
Absolute Attenuation				
1) 0.1 to 1410 MHz	29 dB min.	29 dB min.	29 dB min.	37 dB
2) 1410 to 1710 MHz	24 dB min.	24 dB min.	24 dB min.	33 dB
3) 1710 to 1785 MHz	12 dB min.	12 dB min.	14 dB min.	17 dB
4) 1920 to 1980 MHz	13 dB min.	13 dB min.	15 dB min.	19 dB
5) 1980 to 2400 MHz	20 dB min.	20 dB min.	20 dB min.	26 dB
6) 2400 to 5415 MHz	25 dB min.	25 dB min.	25 dB min.	30 dB
7) 5415 to 5640 MHz	25 dB min.	25 dB min.	25 dB min.	30 dB
8) 5640 to 6000 MHz	18 dB min.	18 dB min.	18 dB min.	35 dB
Ripple Deviation (1805 to 1880MHz)	1.6 dB max	1.5 dB max	1.3 dB max	0.7 dB
VSWR (1805 to 1880MHz)	2.5 max.	2.4 max.	2.4 max.	2
Unbalance Port Matching Impedance (nominal)	50Ω			
Input Signal Level	20mW (+13dBm), 2000 hours			

# SAW FILTER FOR GSM1800 Rx

Murata part number :SAFEB1G84AA0F00

## Frequency Performance



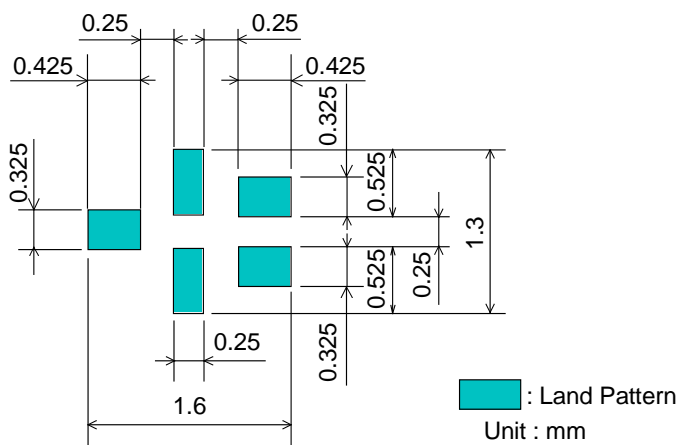


# SAW FILTER FOR GSM1800 Rx

Murata part number :SAFEB1G84AA0F00

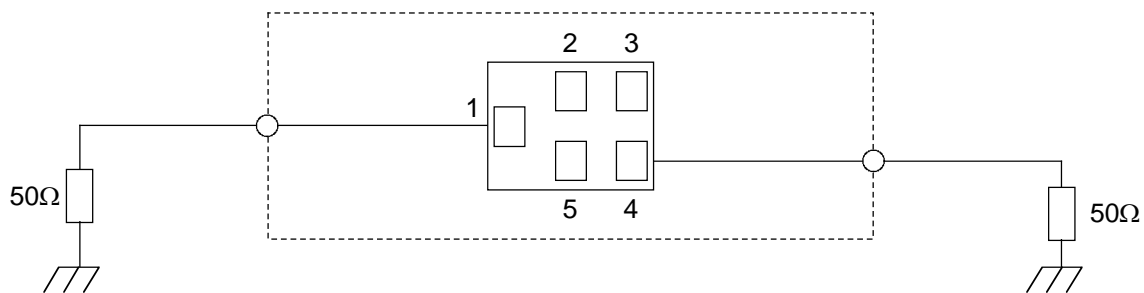
## Recommended Land Pattern

Top View



## Test Circuit

Bottom View



# SAW FILTER FOR GSM1800 Rx

Murata part number :SAFEB1G84AA0F00

## ■ 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.