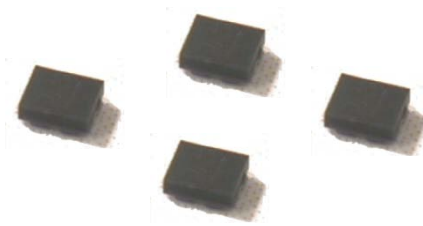




Data Sheet of SAW Components



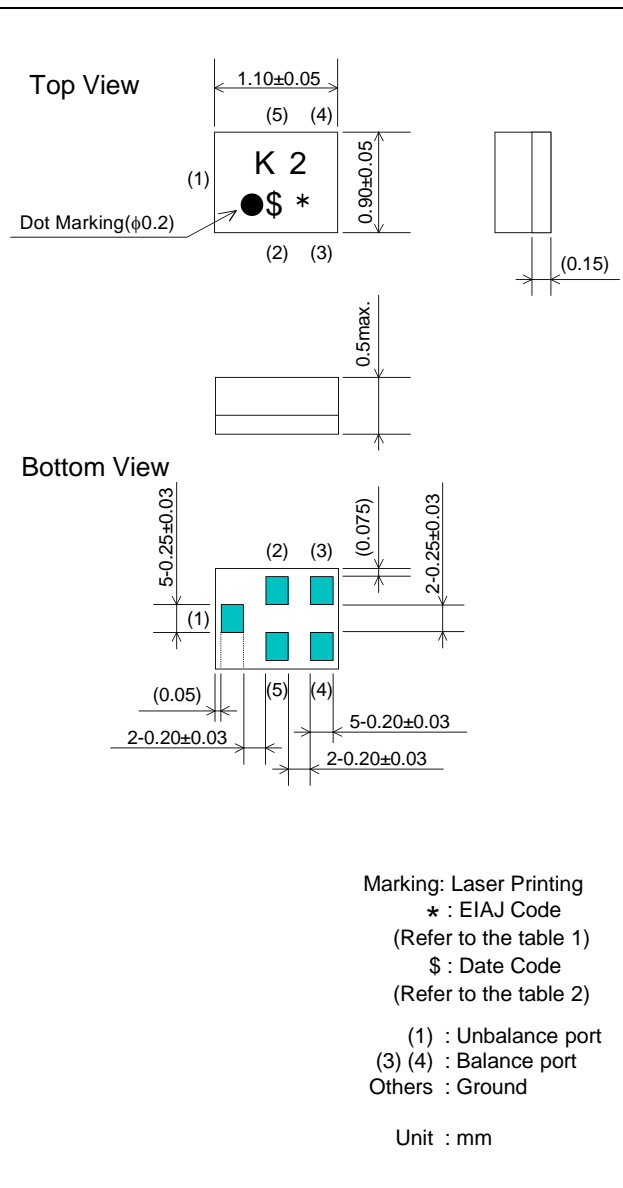
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.

Please also read caution at the end of this document.

SAW FILTER FOR CDMA2000 BC6(20MHz) Rx

Murata part number : SAFFB2G12FL0F0A

Package Dimensions



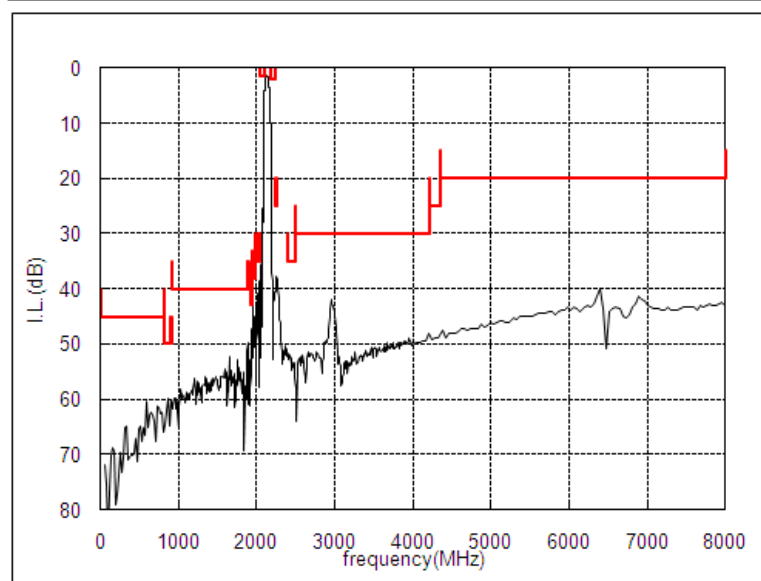
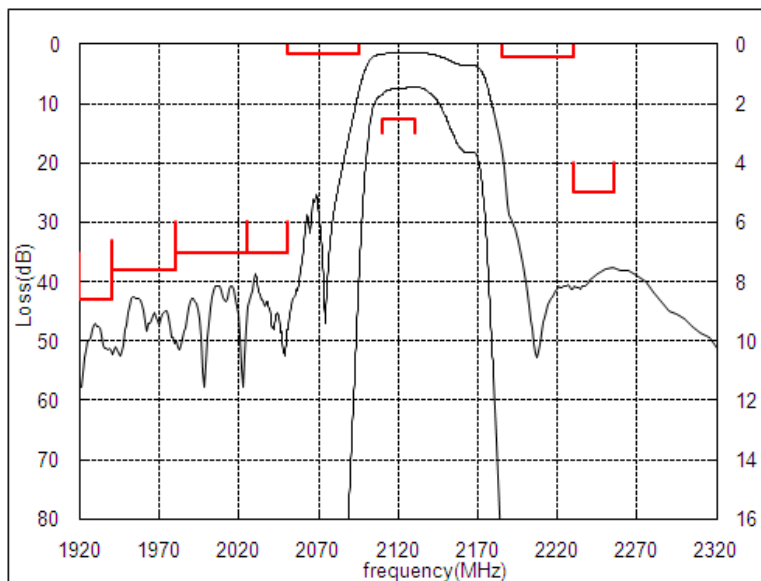
Specification

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	2120MHz		
Insertion Loss (2110 to 2130MHz)	2.5 dB max.	2.4 dB max.	1.8 dB
Absolute Attenuation			
1) 0.1 to 824 MHz	45 dB min.	45 dB min.	61 dB
2) 824 to 898 MHz	50 dB min.	50 dB min.	60 dB
3) 898 to 925 MHz	50 dB min.	50 dB min.	60 dB
4) 925 to 1890 MHz	40 dB min.	40 dB min.	50 dB
5) 1890 to 1920 MHz	40 dB min.	40 dB min.	52 dB
6) 1920 to 1940 MHz	43 dB min.	43 dB min.	47 dB
7) 1940 to 1980 MHz	38 dB min.	38 dB min.	42 dB
8) 1980 to 2025 MHz	35 dB min.	35 dB min.	41 dB
9) 2025 to 2050 MHz	35 dB min.	35 dB min.	39 dB
10) 2050 to 2095 MHz	1.5 dB min.	1.5 dB min.	4 dB
11) 2185 to 2230 MHz	2 dB min.	2 dB min.	11 dB
12) 2230 to 2255 MHz	25 dB min.	25 dB min.	38 dB
13) 2400 to 2500 MHz	35 dB min.	35 dB min.	51 dB
14) 2500 to 4220 MHz	30 dB min.	30 dB min.	42 dB
15) 4220 to 4340 MHz	25 dB min.	25 dB min.	48 dB
16) 4340 to 8000 MHz	20 dB min.	20 dB min.	40 dB
Ripple Deviation (2110 to 2130MHz)	1.0 dB max.	1.0 dB max.	0.4 dB
VSWR (2110 to 2130MHz)	1.6 max.	1.5 max.	1.2
Amplitude Balance (2110 to 2130MHz)	±1.0 dB max.	±1.0 dB max.	-0.6 dB
Phase Balance (2110 to 2130MHz)	180±12 deg. max.	180±12 deg. max.	180-8 deg.
Unbalance Port Matching Impedance (nominal)	50Ω		
Balance Port Matching Impedance (nominal)	100Ω		

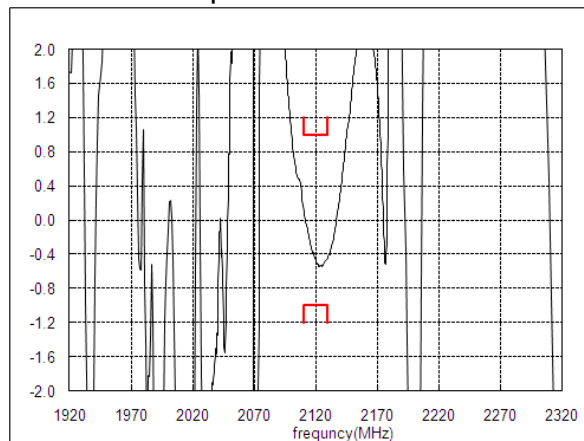
SAW FILTER FOR CDMA2000 BC6(20MHz) Rx

Murata part number : SAFFB2G12FL0F0A

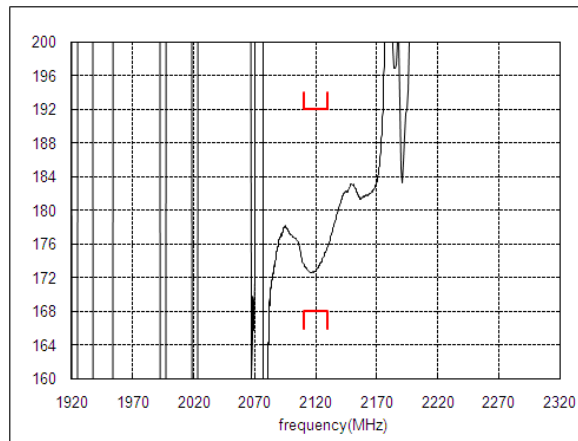
Frequency Performance



Amplitude balance



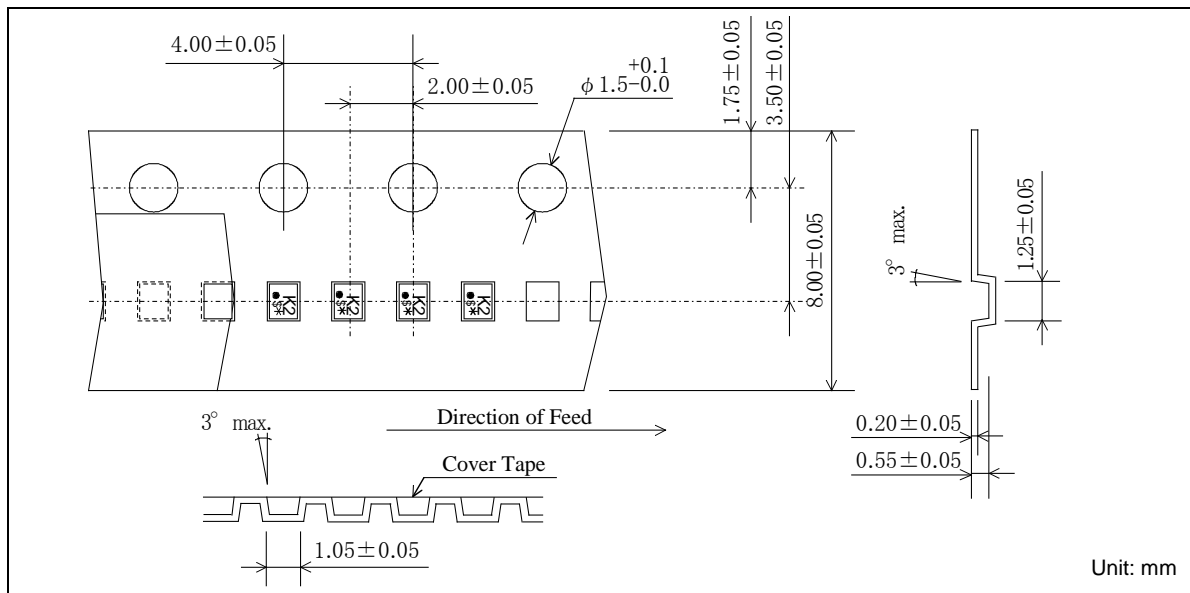
Phase balance



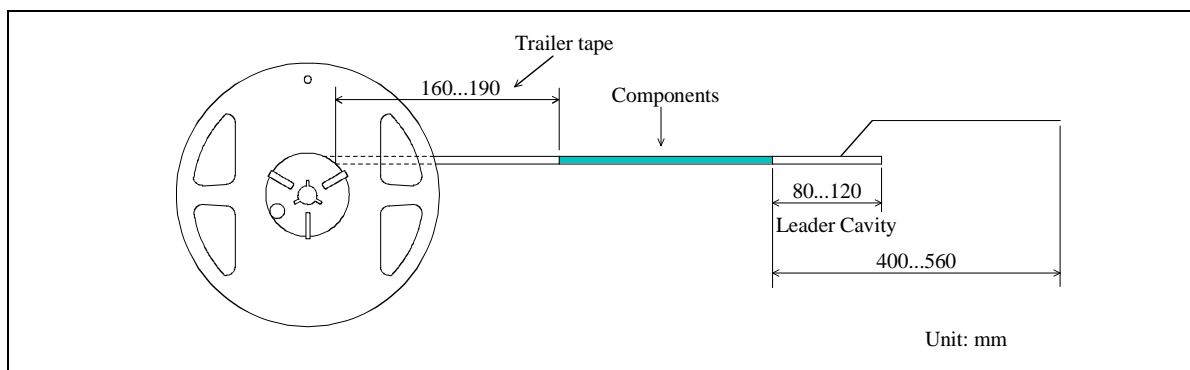
SAW FILTER FOR CDMA2000 BC6(20MHz) Rx

Murata part number : SAFFB2G12FL0F0A

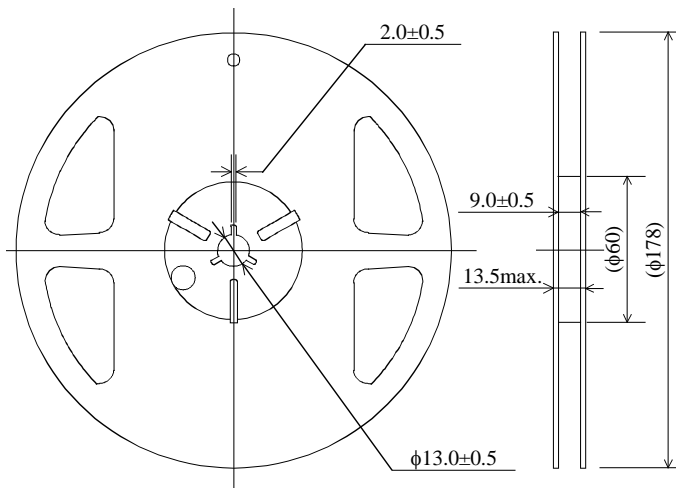
Dimensions of Carrier Tape



Dimensions of Tape



Dimensions of Reel



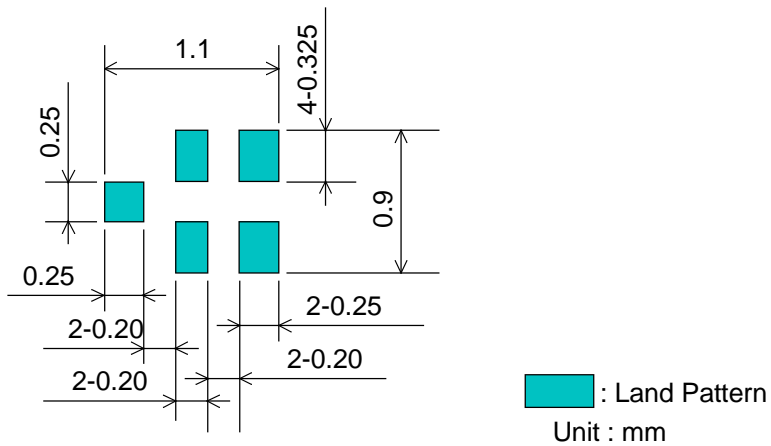
SAFFB2G12FL0F0AR1X ... 10000pcs/reel
SAFFB2G12FL0F0AR15 ... 5000pcs/reel

SAW FILTER FOR CDMA2000 BC6(20MHz) Rx

Murata part number : SAFFB2G12FL0F0A

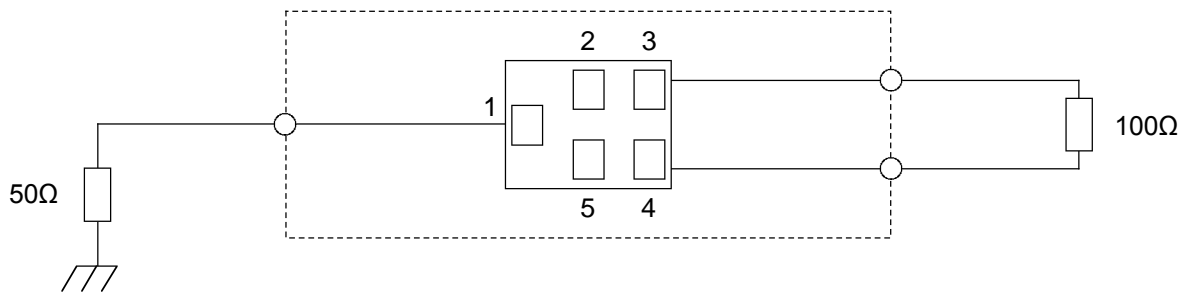
Recommended Land Pattern

Top View



Test Circuit

Bottom View



SAW FILTER FOR CDMA2000 BC6(20MHz) Rx

Murata part number : SAFFB2G12FL0F0A

■ 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.

■ Marking code

Table 1 * : EIAJ Code

This rule of code is applied repeatedly every four year.

2009 2013 2017	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	A	B	C	D	E	F	G	H	J	K	L	M
2010 2014 2018	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	N	P	Q	R	S	T	U	V	W	X	Y	Z
2011 2015 2019	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	a	b	c̄	d	e	f	g	h	j	k	l	m
2012 2016 2020	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	n	p	q	r	s	t	u	v	w	x	y	z

Table 2 \$: Date Code

date	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
code	A	B	C	D	E	F	G	H	J	K	
date	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	
code	L	M	N	P	Q	R	S	T	U	V	
date	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
code	W	X	Y	Z	a	b	c̄	d	e	f	g