



# Data Sheet of SAW Components



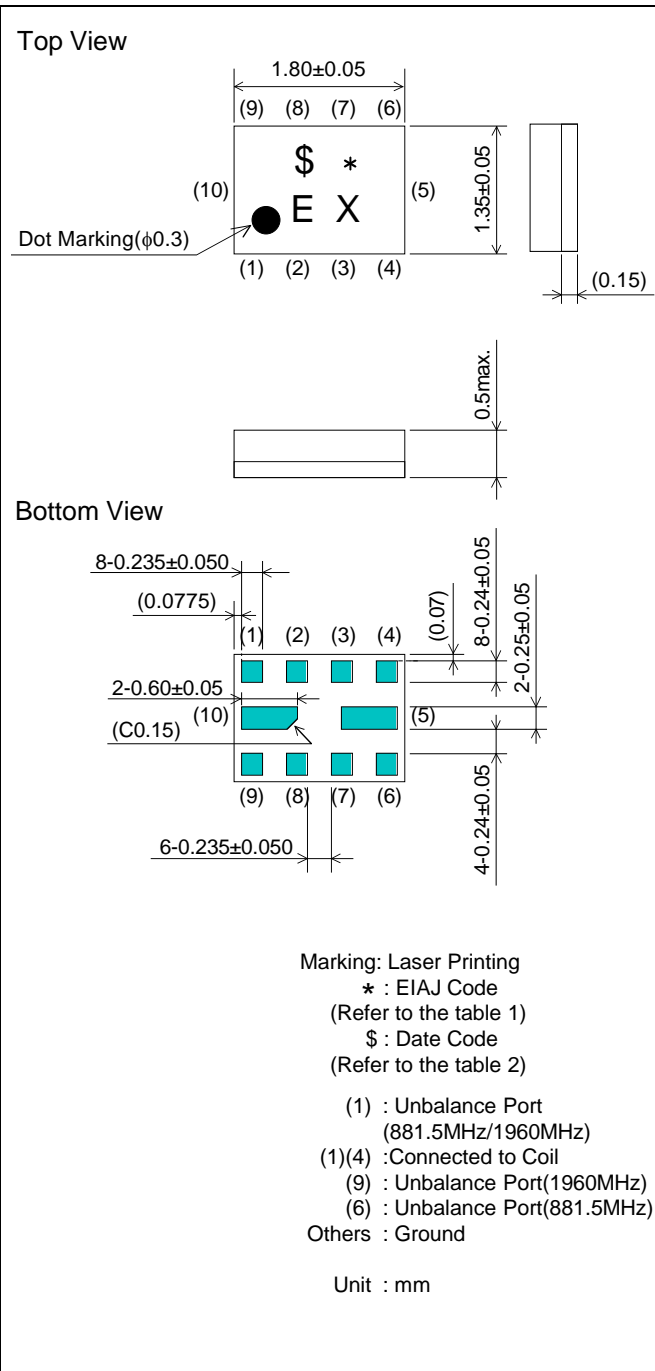
Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.  
Please also read caution at the end of this document.

# SAW FILTER FOR CDMA1900/CDMA800 (Rx)

Murata part number : SAWEN881MAB0F00 (fc=881.5MHz)

## Package Dimensions

## Specification

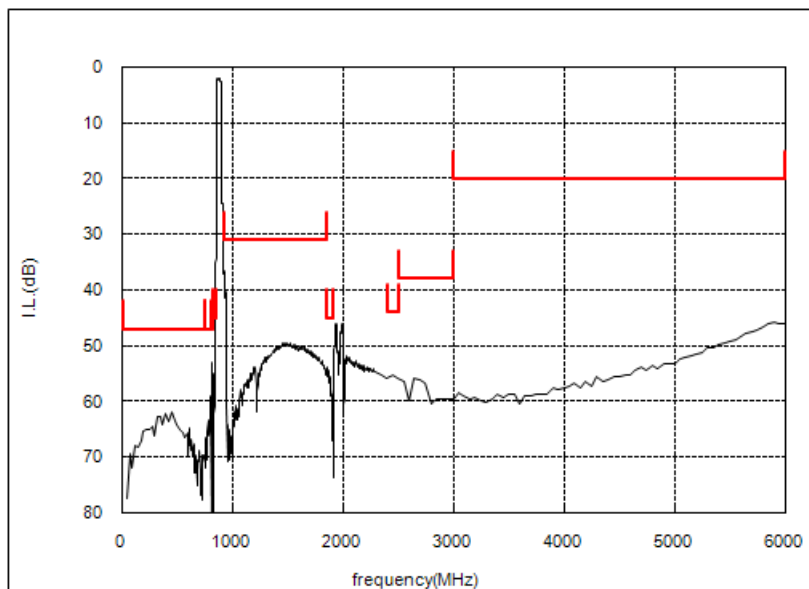
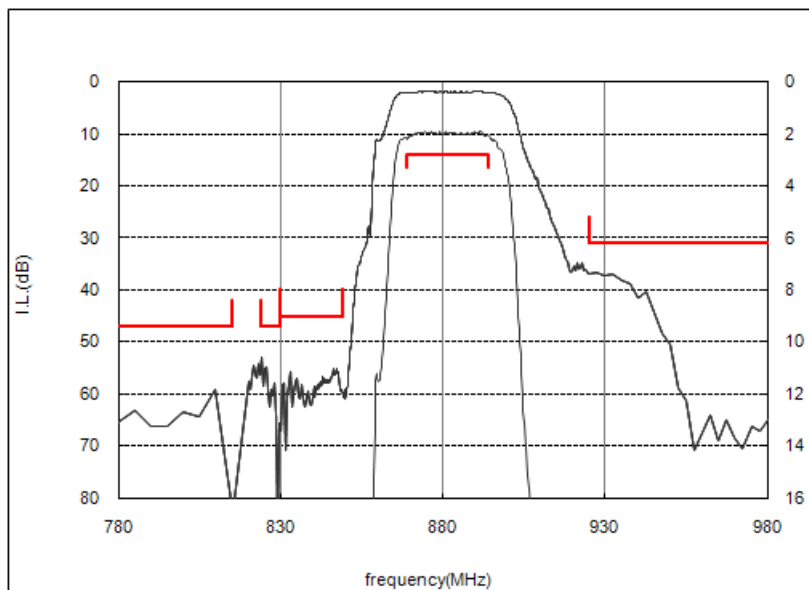


Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	881.5MHz		
Insertion Loss (869 to 894MHz)	2.8 dB max.	2.4 dB max.	2.2 dB
Absolute Attenuation			
1) 10 to 750 MHz	47 dB min.	47 dB min.	62 dB
2) 750 to 815 MHz	47 dB min.	47 dB min.	60 dB
3) 824 to 830 MHz	47 dB min.	47 dB min.	54 dB
4) 830 to 849 MHz	45 dB min.	45 dB min.	55 dB
5) 925 to 1850 MHz	31 dB min.	31 dB min.	36 dB
6) 1850 to 1910 MHz	45 dB min.	45 dB min.	54 dB
7) 2400 to 2500 MHz	44 dB min.	44 dB min.	55 dB
8) 2500 to 3000 MHz	38 dB min.	38 dB min.	56 dB
9) 3000 to 6000 MHz	20 dB min.	20 dB min.	46 dB
Ripple Deviation (869 to 894MHz)	1.2 dB max.	1.2 dB max.	0.3 dB
VSWR (869 to 894MHz)	2.0 max.	1.9 max.	1.7
Unbalance Port Matching Impedance (nominal)	50Ω/5.6nH		
Unbalance Port Matching Impedance (nominal)	50Ω		
Input Signal Level	31.6mW (+15dBm), 2000 hours		

# SAW FILTER FOR CDMA1900/CDMA800 (Rx)

Murata part number : SAWEN881MAB0F00 (fc=881.5MHz)

## Frequency Performance



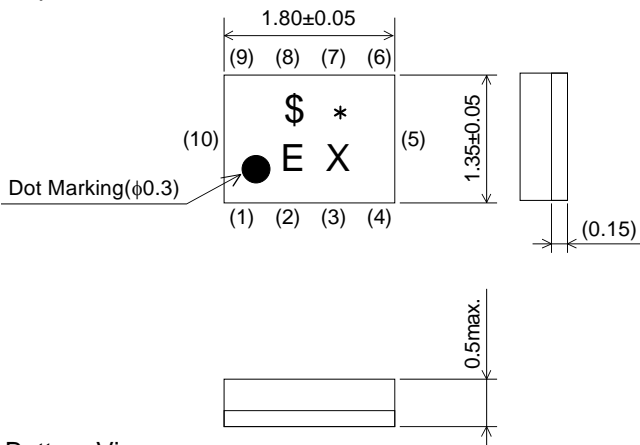
# SAW FILTER FOR CDMA1900/CDMA800 (Rx)

Murata part number : SAWEN881MAB0F00 (fc=1960MHz)

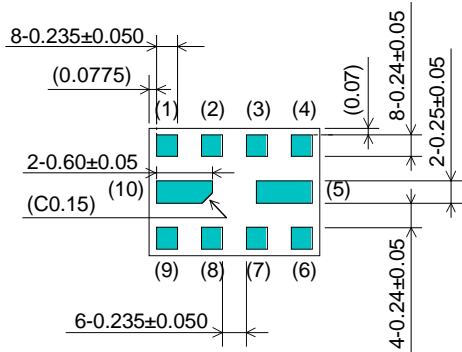
## Package Dimensions

## Specification

Top View



Bottom View



Marking: Laser Printing  
 \* : EIAJ Code  
 (Refer to the table 1)  
 \$ : Date Code  
 (Refer to the table 2)  
 (1) : Unbalance Port  
 (881.5MHz/1960MHz)  
 (1)(4) : Connected to Coil  
 (9) : Unbalance Port(1960MHz)  
 (6) : Unbalance Port(881.5MHz)  
 Others : Ground

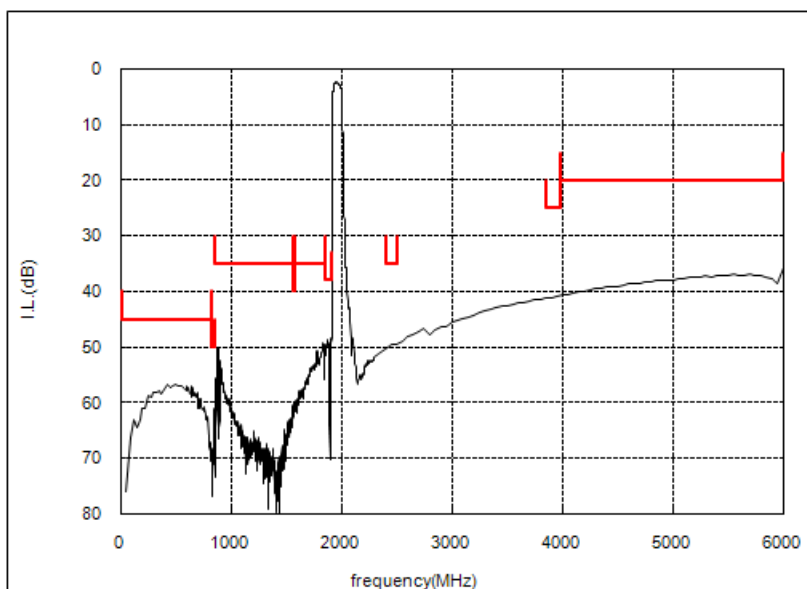
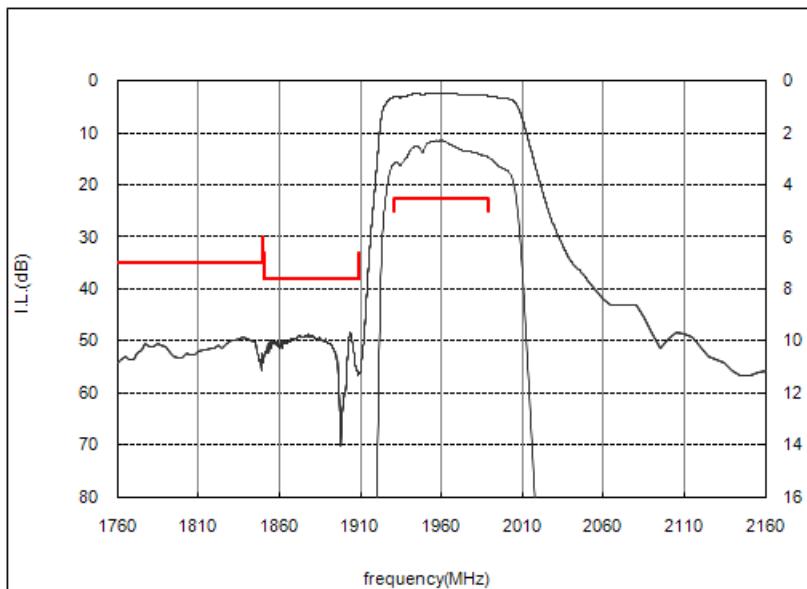
Unit : mm

Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	1960MHz		
Insertion Loss (1930.6 to 1989.4MHz)	4.5 dB max.	3.8 dB max.	3.2 dB
Absolute Attenuation			
1) 10 to 824 MHz	45 dB min.	45 dB min.	57 dB
2) 824 to 849 MHz	50 dB min.	50 dB min.	64 dB
3) 849 to 1570 MHz	35 dB min.	35 dB min.	50 dB
4) 1570 to 1580 MHz	40 dB min.	40 dB min.	60 dB
5) 1580 to 1850 MHz	35 dB min.	35 dB min.	49 dB
6) 850.6 to 909.4 MHz	38 dB min.	40 dB min.	48 dB
7) 2400 to 2500 MHz	35 dB min.	35 dB min.	49 dB
8) 3860 to 3980 MHz	25 dB min.	25 dB min.	41 dB
9) 3980 to 6000 MHz	20 dB min.	20 dB min.	36 dB
Ripple Deviation (1930.6 to 1989.4MHz)	2.3 dB max.	2.3 dB max.	0.9 dB
VSWR (1930.6 to 1989.4MHz)	2.4 max.	2.2 max.	1.9
Unbalance Port Matching Impedance (nominal)	50Ω//5.6nH		
Unbalance Port Matching Impedance (nominal)	50Ω		
Input Signal Level	20mW (+13dBm), 2000 hours		

# SAW FILTER FOR CDMA1900/CDMA800 (Rx)

Murata part number : SAWEN881MAB0F00 (fc=1960MHz)

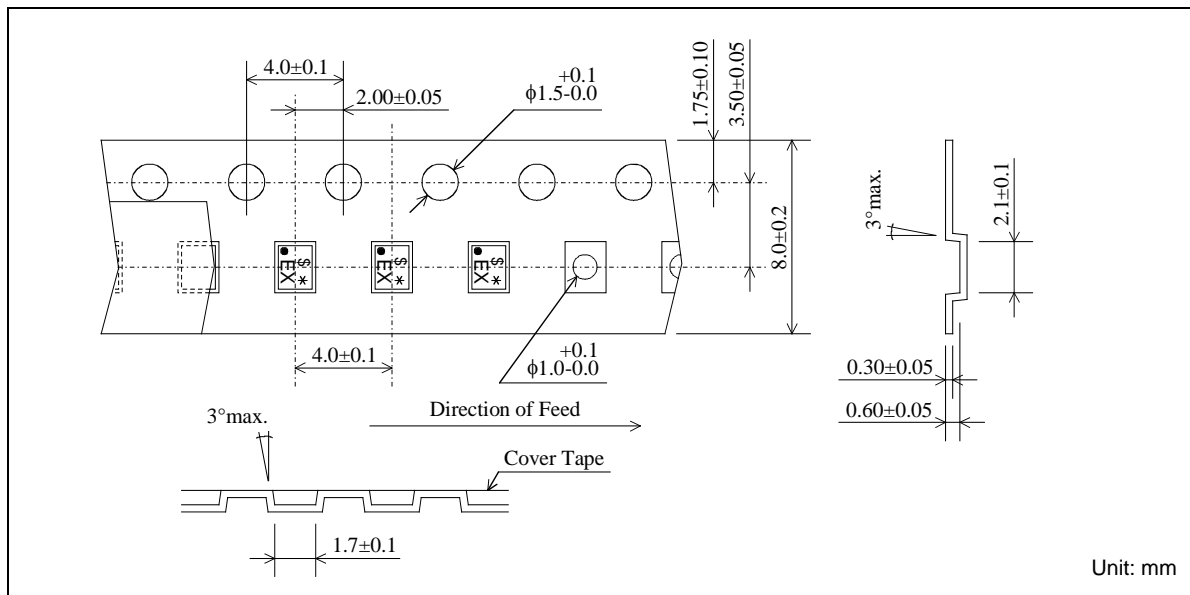
## ■ Frequency Performance



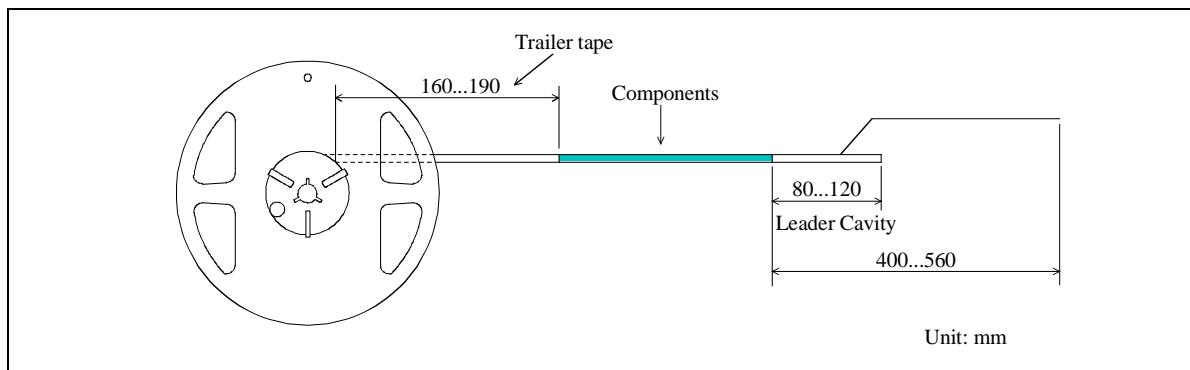
# SAW FILTER FOR CDMA1900/CDMA800 (Rx)

Murata part number : SAWEN881MAB0F00

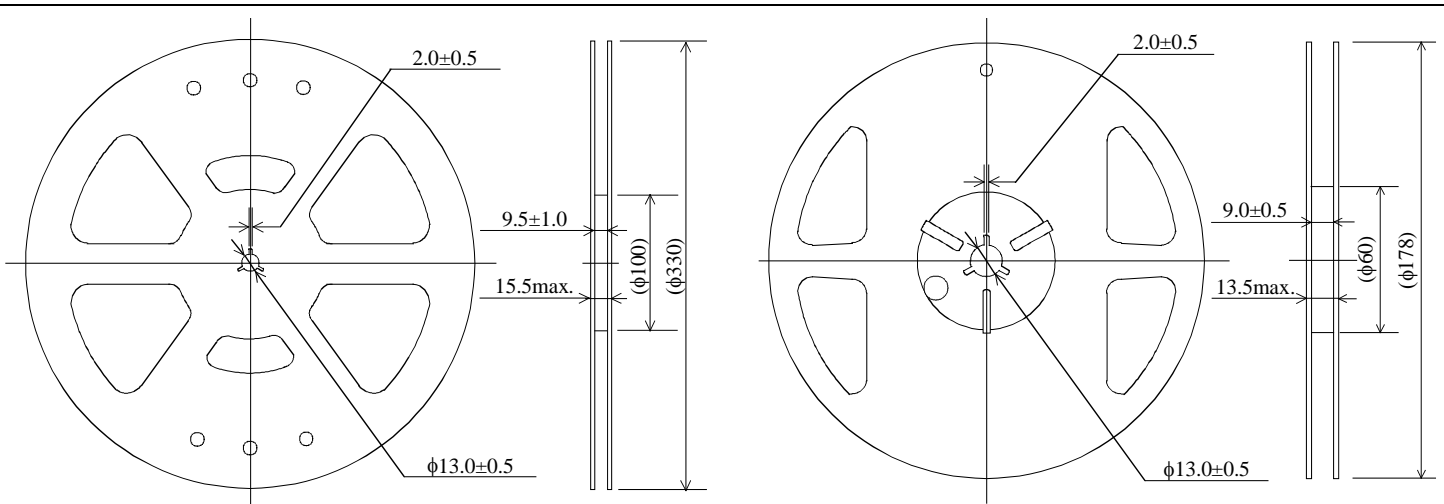
## ■ Dimensions of Carrier Tape



## ■ Dimensions of Tape



## ■ Dimensions of Reel



SAWEN881MAB0F00R00 ... 10000pcs/reel

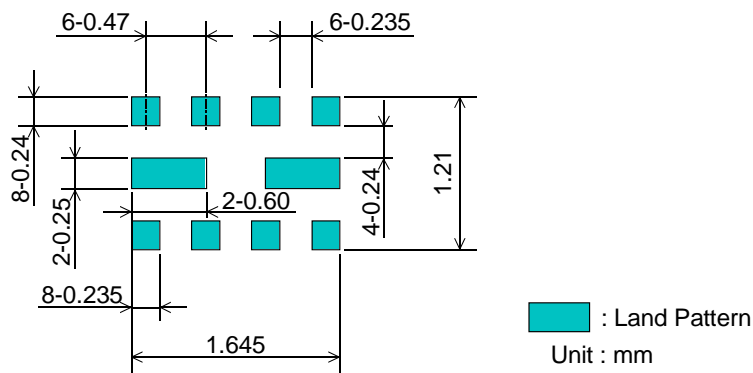
SAWEN881MAB0F00R15 ... 5000pcs/reel

# SAW FILTER FOR CDMA1900/CDMA800 (Rx)

Murata part number : SAWEN881MAB0F00

## Recommended Land Pattern

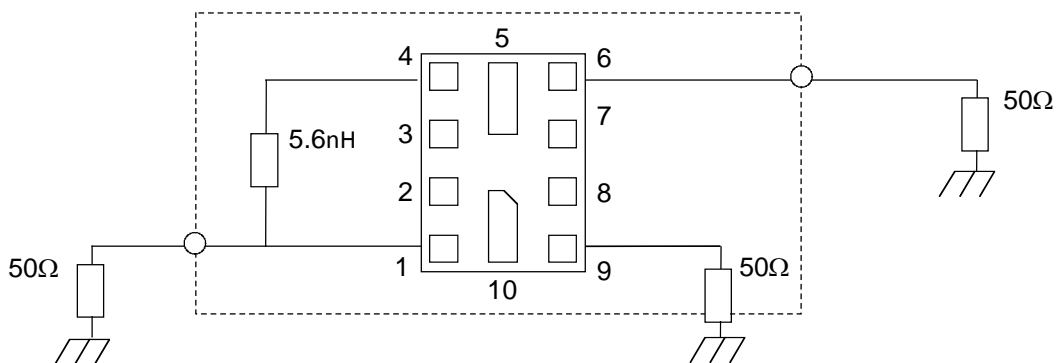
Top View



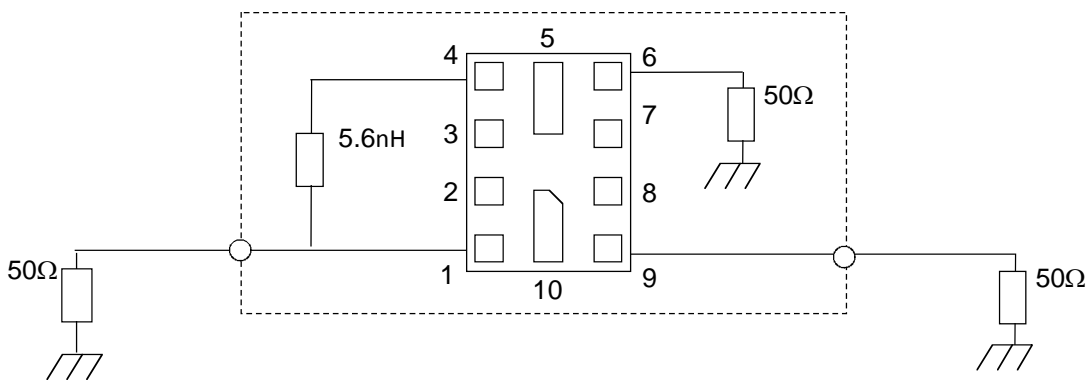
## Test Circuit

Bottom View

881.5MHz



1960MHz



L:5.6nH (Murata: LQP03TN5N6H00)

# SAW FILTER FOR CDMA1900/CDMA800 (Rx)

Murata part number : SAWEN881MAB0F00

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

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