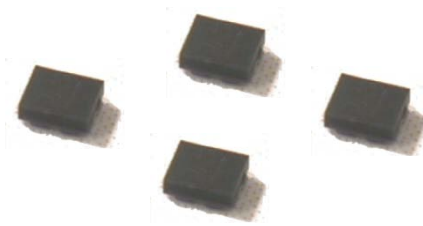




# Data Sheet of SAW Components



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

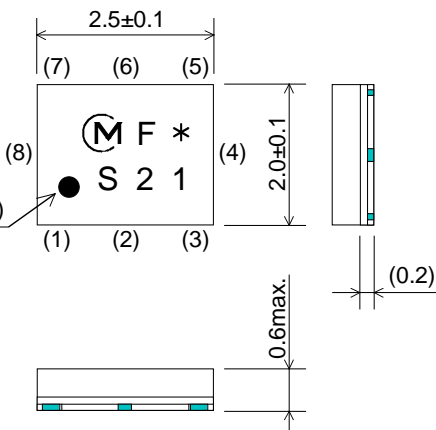
Please also read caution at the end of this document.

# SAW DPX FOR CDMA800/UMTS BC5 RR type

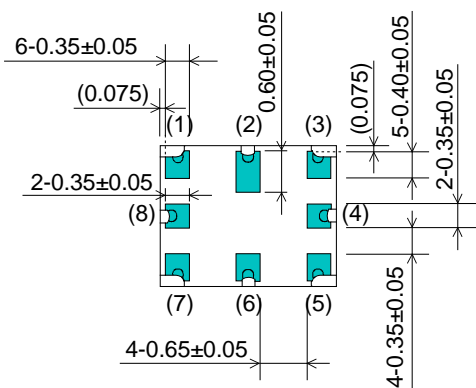
Murata part number : SAYEV836MAD0F00 [ Tx→ANT ]

## Package Dimensions

Top View



Bottom View



Marking  
: Laser Printing

- (1) : Tx
- (3) : Rx
- (6) : ANT
- Others : Ground

Unit : mm

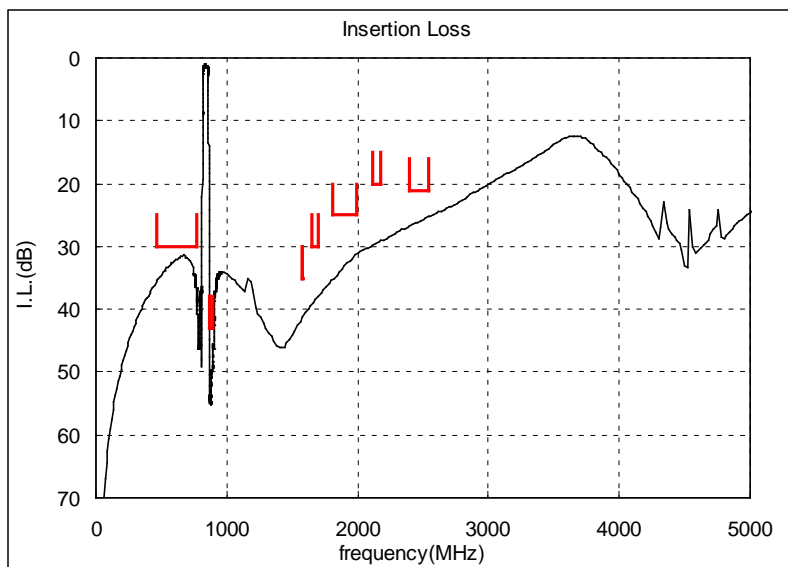
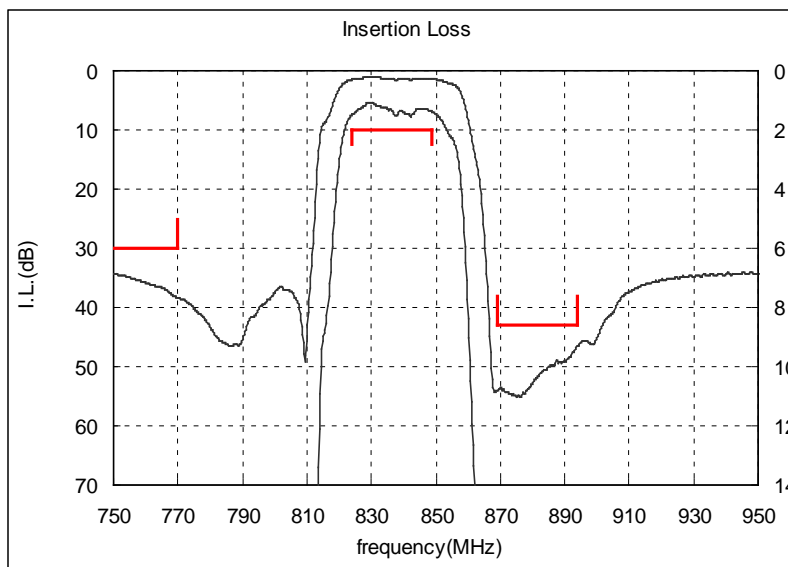
## Specification

Item	Target Specification	
	-30 to 85°C	typ.
Nominal Center Frequency(fc)	836.5MHz	
Insertion Loss (824 to 849MHz)	2.0 dB max.	1.5 dB
Absolute Attenuation		
1) 470 to 770 MHz	30 dB min.	32 dB
2) 869 to 894 MHz	43 dB min.	47 dB
3) 1573 to 1577 MHz	35 dB min.	41 dB
4) 1648 to 1698 MHz	30 dB min.	38 dB
5) 1805 to 1990 MHz	25 dB min.	34 dB
6) 2110 to 2170 MHz	20 dB min.	29 dB
7) 2400 to 2547 MHz	21 dB min.	26 dB
Ripple Deviation (824 to 849MHz)	1.0 dB max.	0.5 dB
VSWR (824 to 849MHz)	2.0 max.	1.8
ANT Port Matching Impedance(normal)	50Ω//9.1nH	
Tx Port Matching Impedance(normal)	50Ω	
Rx Port Matching Impedance(normal)	50Ω	
Input Signal Level	1.0W, 50000 hours (50°C)	

# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [ Tx → ANT ]

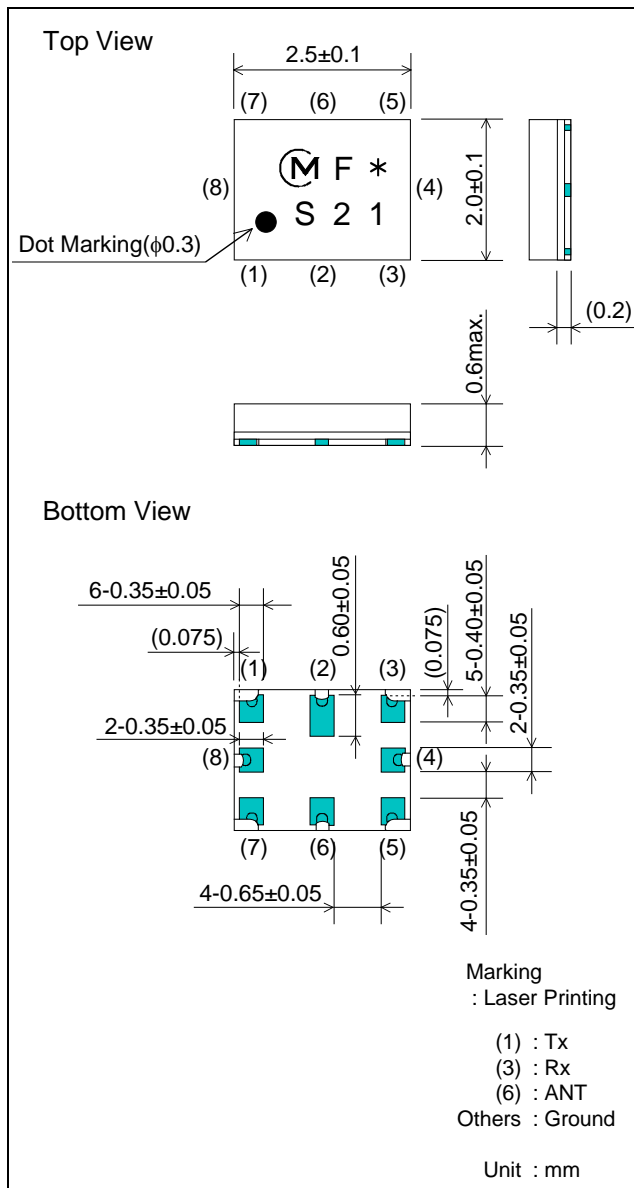
## Frequency Performance



# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number : SAYEV836MAD0F00 [ ANT → Rx ]

## Package Dimensions



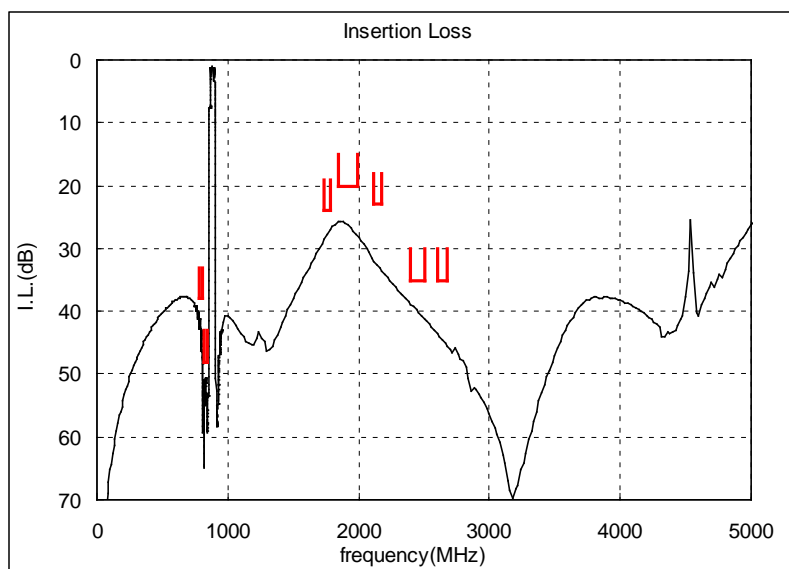
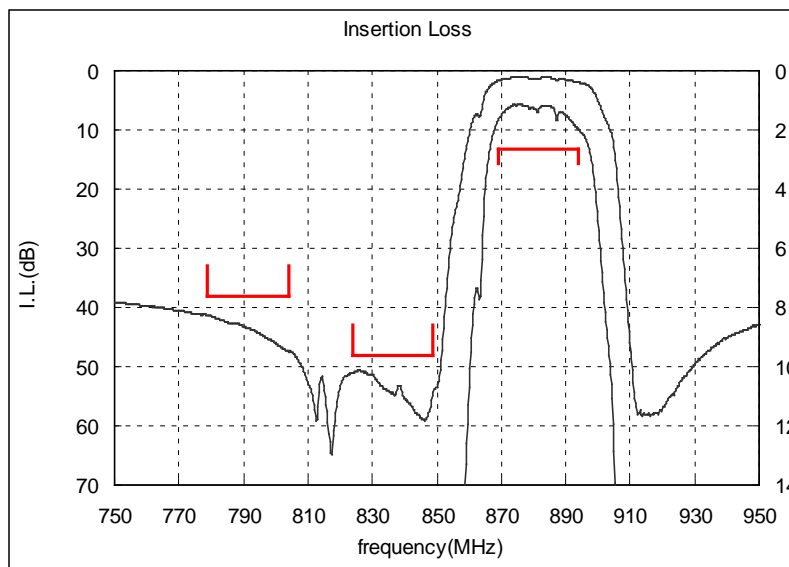
## Specification

Item	Target Specification	
	-30 to 85°C	typ.
Nominal Center Frequency(fc)	881.5MHz	
Insertion Loss (869 to 894MHz)	2.65 dB max.	2.0 dB
Absolute Attenuation		
1) 779 to 804 MHz	38 dB min.	41 dB
2) 824 to 849 MHz	48 dB min.	51 dB
3) 1738 to 1788 MHz	24 dB min.	27 dB
4) 1850 to 1990 MHz	20 dB min.	26 dB
5) 2110 to 2170 MHz	23 dB min.	32 dB
6) 2400 to 2500 MHz	30 dB min.	39 dB
7) 2607 to 2682 MHz	30 dB min.	44 dB
Ripple Deviation (869 to 894MHz)	1.5 dB max.	0.7 dB
VSWR (869 to 894MHz)	2.0 max.	1.6
ANT Port Matching Impedance(normal)	50Ω//9.1nH	
Tx Port Matching Impedance(normal)	50Ω	
Rx Port Matching Impedance(normal)	50Ω	

# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [ ANT→Rx]

## ■ Frequency Performance

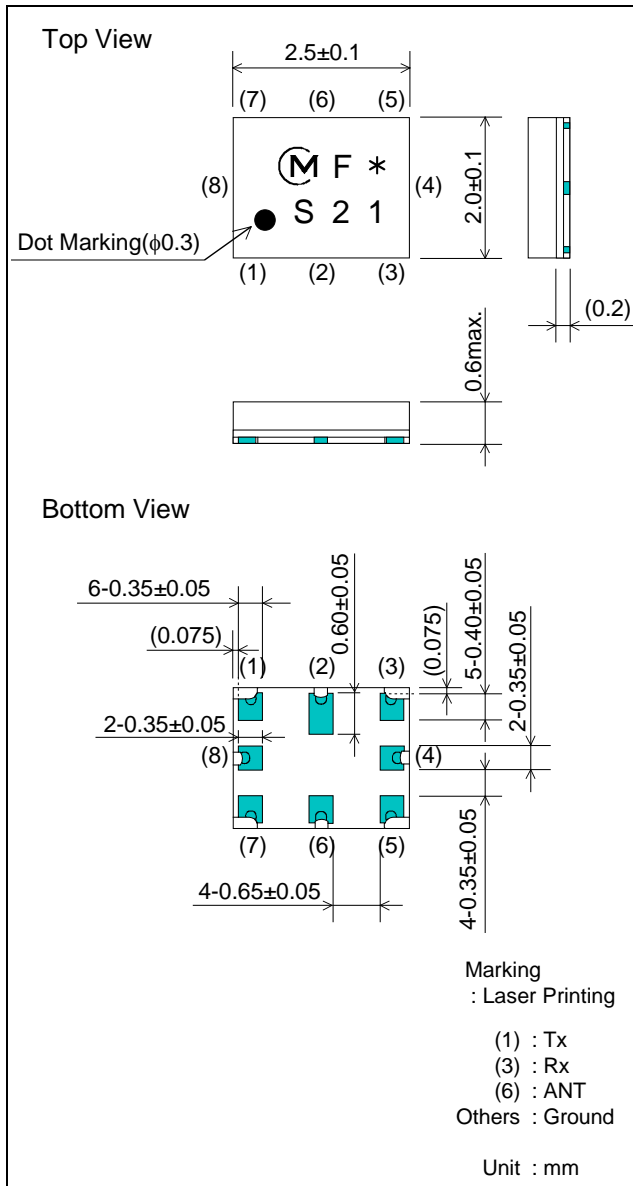


# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number : SAYEV836MAD0F00 [ Tx → Rx ]

## Package Dimensions

## Specification

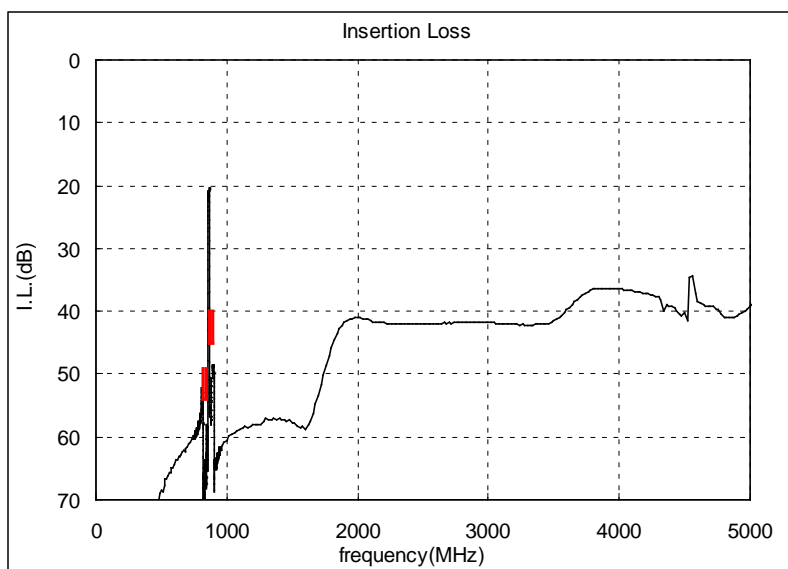
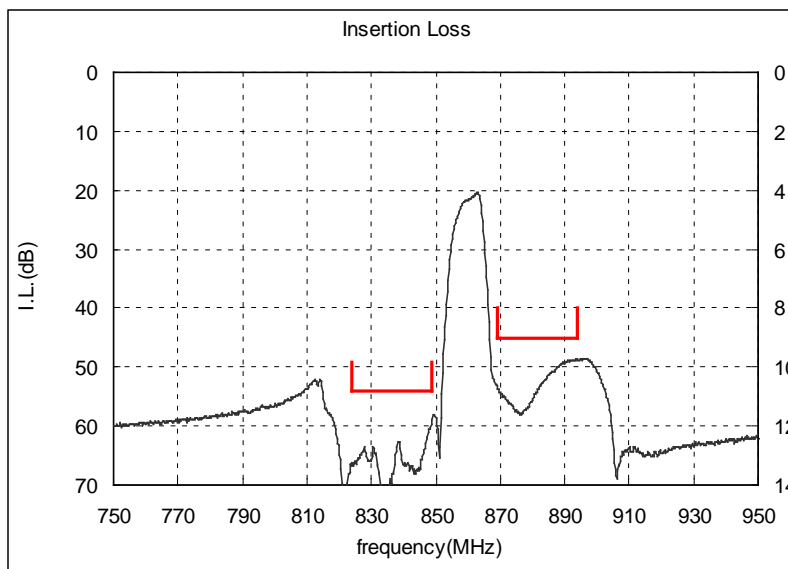


Item	Target Specification	
	-30 to 85°C	typ.
Absolute Attenuation		
1) 824 to 849 MHz	54 dB min.	59 dB
2) 869 to 894 MHz	45 dB min.	49 dB

# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00 [ Tx→Rx]

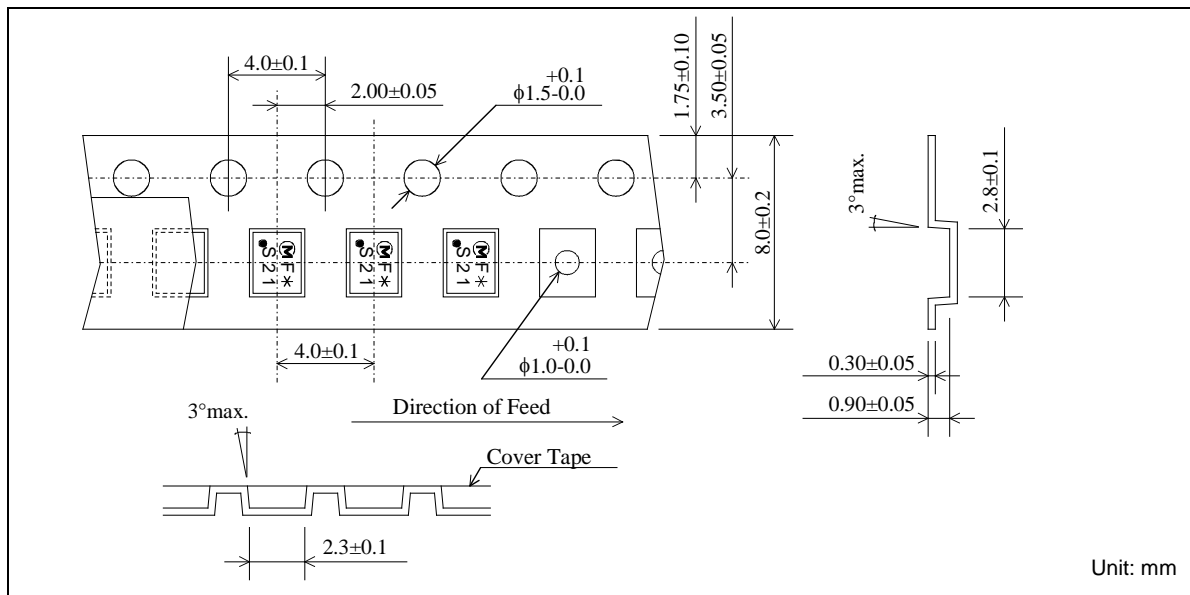
## Frequency Performance



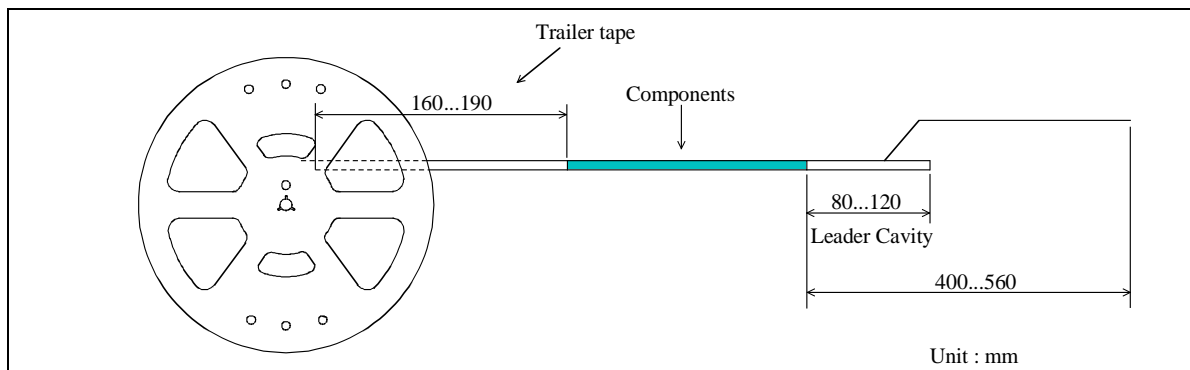
# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number : SAYEV836MAD0F00

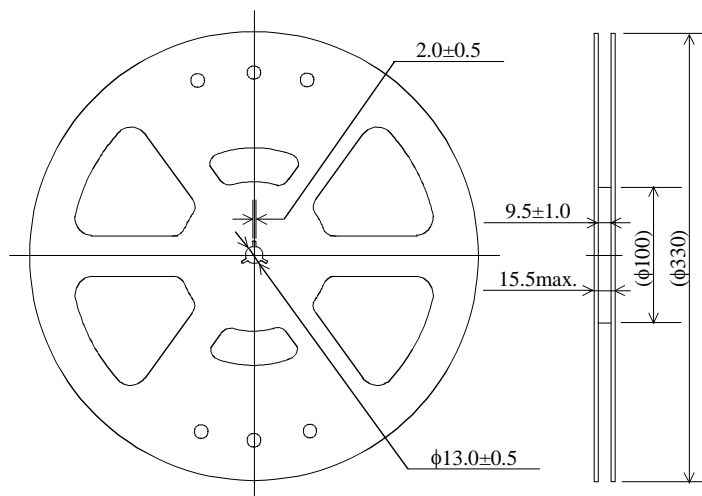
## Dimensions of Carrier Tape



## Dimensions of Tape



## Dimensions of Reel



Unit: mm

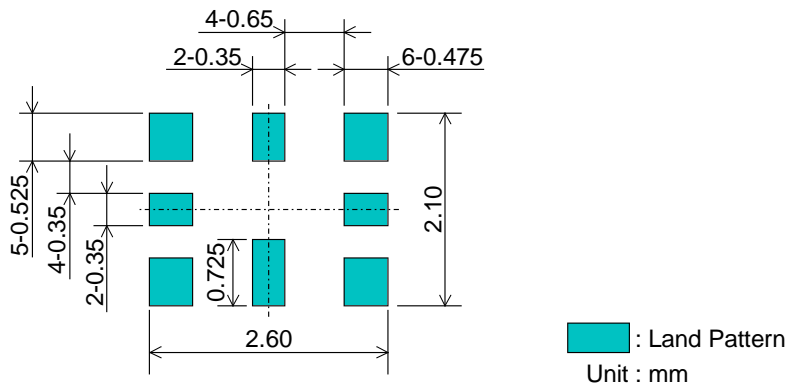
SAYEV836MAD0F00R00 ... 10000pcs/reel  
SAYEV836MAD0F00R05 ... 5000pcs/reel

# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00

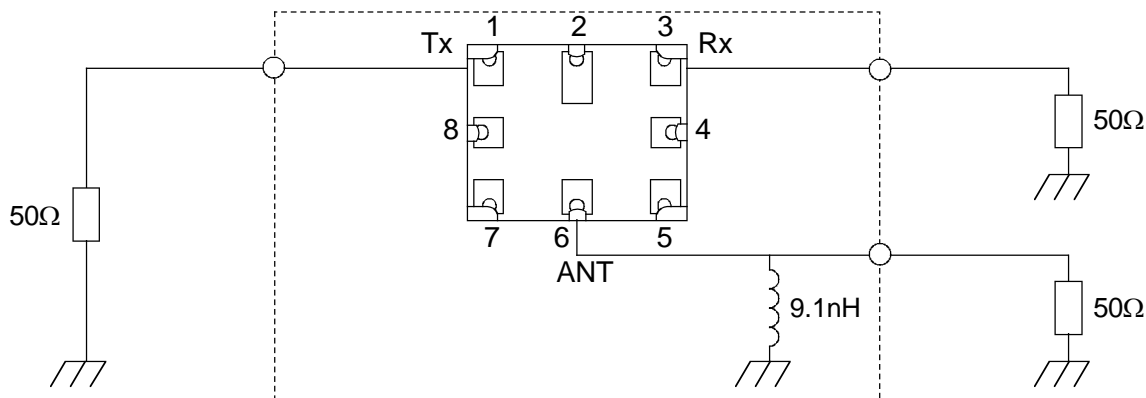
## Recommended Land Pattern

Top View



## Test Circuit

Bottom View



# SAW DPX FOR CDMA800/UMTS BC5 RR type

Murata part number :SAYEV836MAD0F00

## ■ 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.