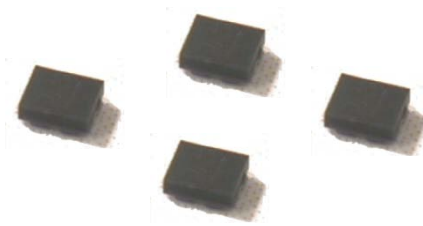




# Data Sheet of SAW Components



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

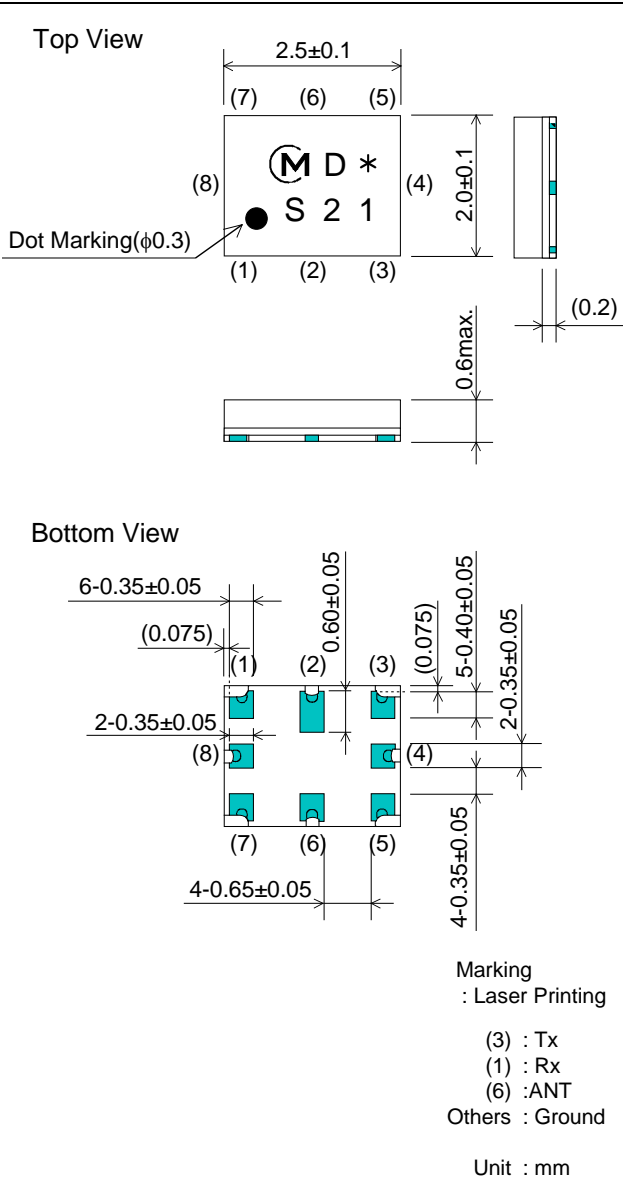
Please also read caution at the end of this document.

# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00 [ Tx→ANT]

## Package Dimensions

## Specification

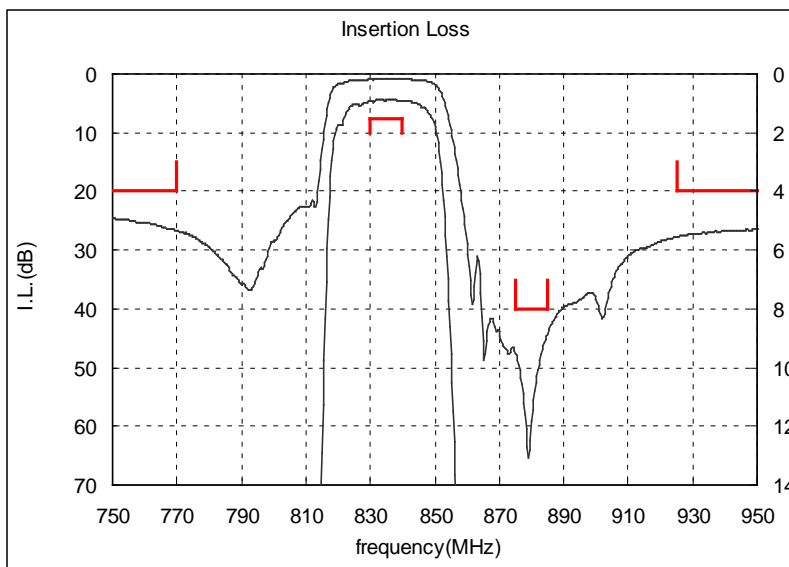


Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	835MHz		
Insertion Loss (830 to 840MHz)	1.5 dB max.	1.4 dB max.	1.0 dB
Absolute Attenuation			
1) 470 to 770 MHz	20 dB min.	20 dB min.	24 dB
2) 875 to 885 MHz	40 dB min.	40 dB min.	44 dB
3) 925 to 960 MHz	20 dB min.	20 dB min.	26 dB
4) 1477 to 1516 MHz	30 dB min.	30 dB min.	36 dB
5) 1573 to 1577 MHz	35 dB min.	35 dB min.	38 dB
6) 1660 to 1680 MHz	25 dB min.	25 dB min.	36 dB
7) 1805 to 1980 MHz	20 dB min.	20 dB min.	28 dB
8) 2490 to 2520 MHz	15 dB min.	15 dB min.	20 dB
9) 3320 to 3360 MHz	7 dB min.	7 dB min.	13 dB
Ripple Deviation (830 to 840MHz)	0.7 dB max.	0.7 dB max.	0.1 dB
VSWR (830 to 840MHz)	1.8max.	1.8 max.	1.3
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 UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00 [ Tx→ANT]

## Frequency Performance

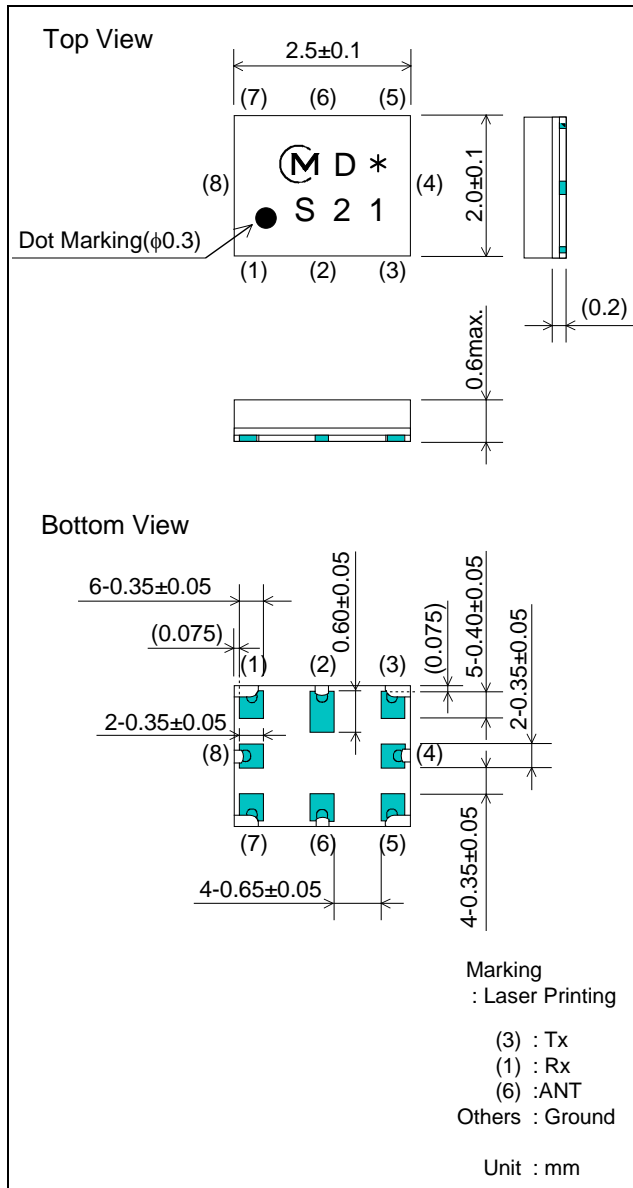


# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00 [ ANT→Rx]

## Package Dimensions

## Specification

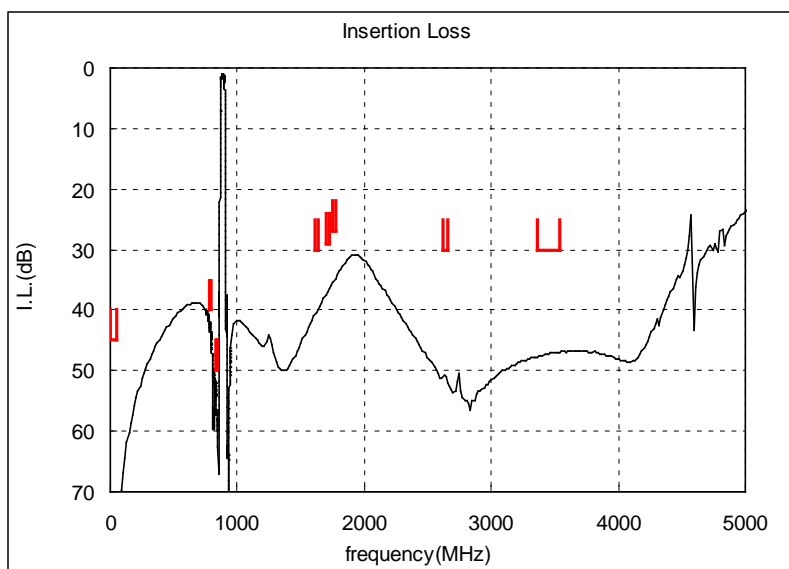
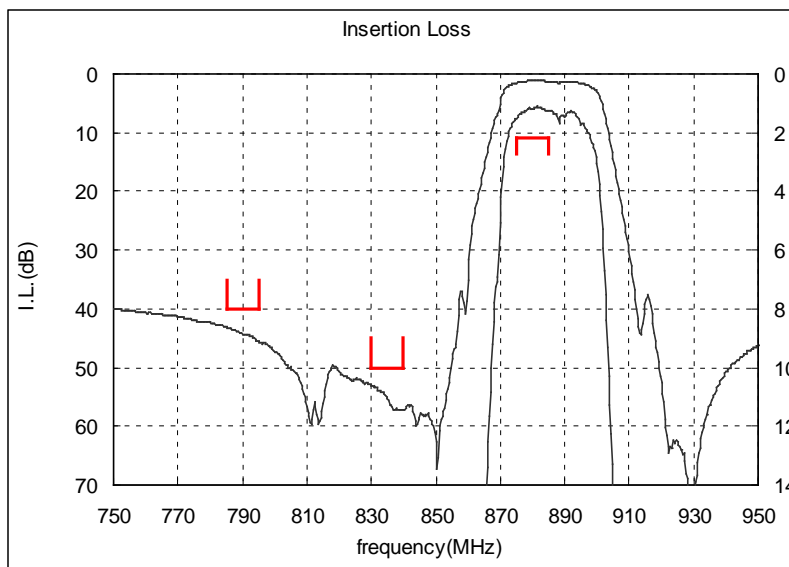


Item	Specification		
	-30 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	880MHz		
Insertion Loss (875 to 885MHz)	2.2 dB max.	1.9 dB max.	1.4 dB
Absolute Attenuation			
1) at 45 MHz	45 dB min.	45 dB min.	76 dB
2) 785 to 795 MHz	40 dB min.	40 dB min.	44 dB
3) 830 to 840 MHz	50 dB min.	50 dB min.	53 dB
4) 1615 to 1635 MHz	30 dB min.	30 dB min.	38 dB
5) 1705 to 1725 MHz	29 dB min.	29 dB min.	35 dB
6) 1750 to 1770 MHz	27 dB min.	27 dB min.	33 dB
7) 2625 to 2655 MHz	30 dB min.	30 dB min.	48 dB
8) 3365 to 3540 MHz	30 dB min.	30 dB min.	47 dB
Ripple Deviation (875 to 885MHz)	1.0 dB max.	1.0 dB max.	0.3 dB
VSWR (875 to 885MHz)	1.9 max.	1.9 max.	1.4
ANT Port Matching Impedance(normal)	50Ω//9.1nH		
Tx Port Matching Impedance(normal)	50Ω		
Rx Port Matching Impedance(normal)	50Ω		

# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00 [ANT→Rx]

## Frequency Performance

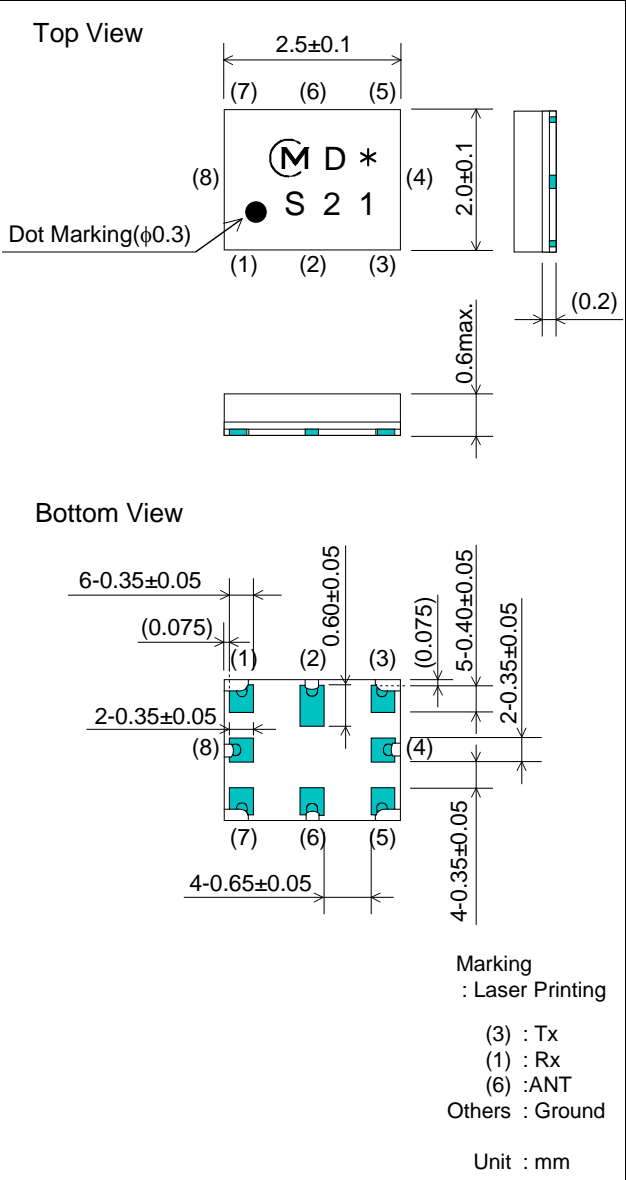


# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00 [Tx→Rx]

## Package Dimensions

## Specification

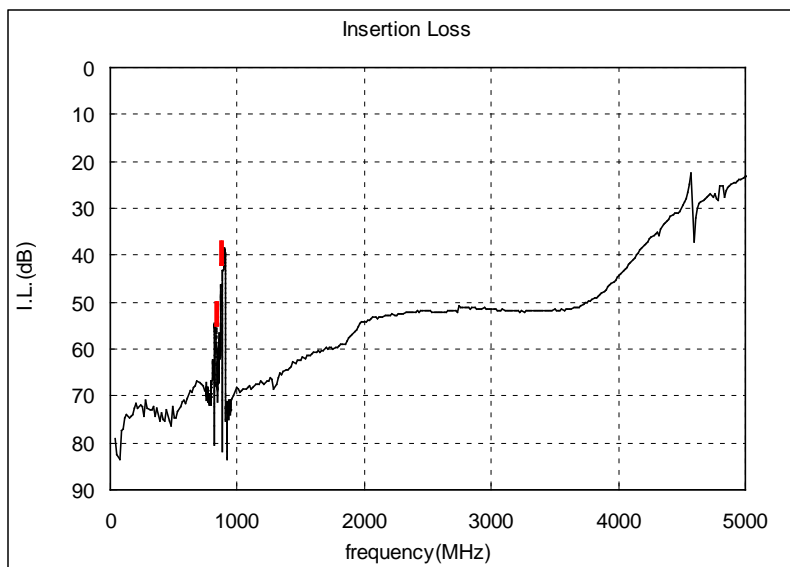
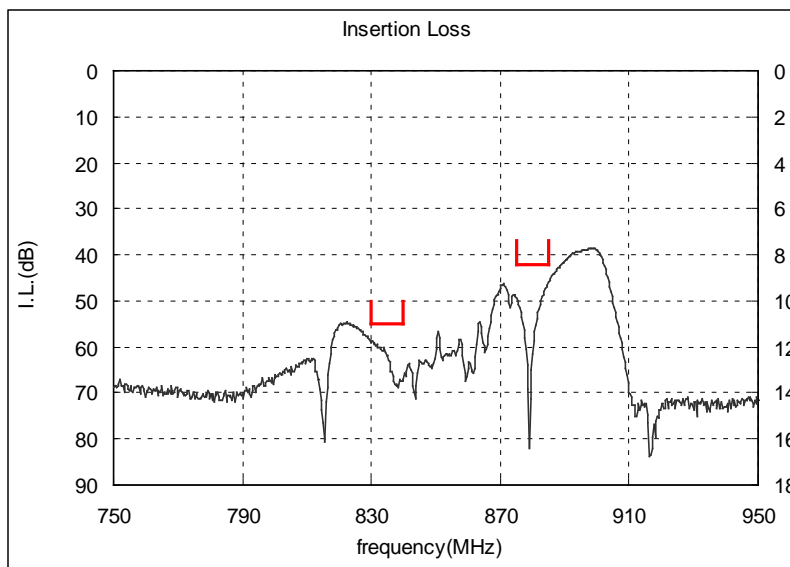


Item	Specification		
	-30 to 85°C	25±2°C	typ.
Absolute Attenuation			
1) 830 to 840 MHz	55 dB min.	55 dB min.	58 dB
2) 875 to 885 MHz	42 dB min.	42 dB min.	47 dB

# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00 [ Tx → Rx ]

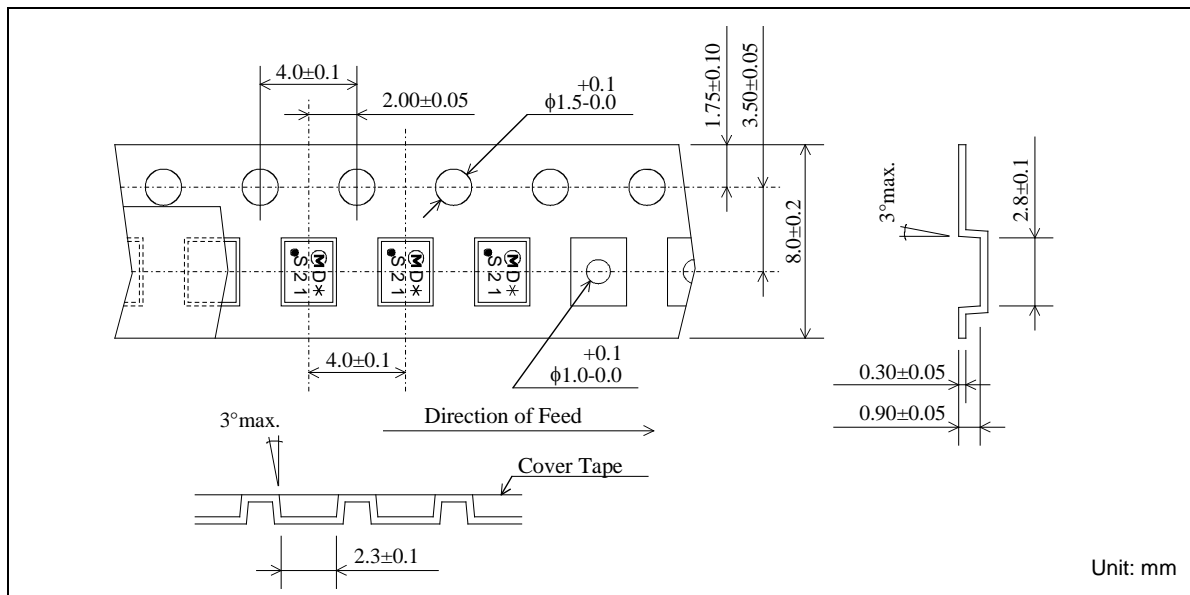
## Frequency Performance



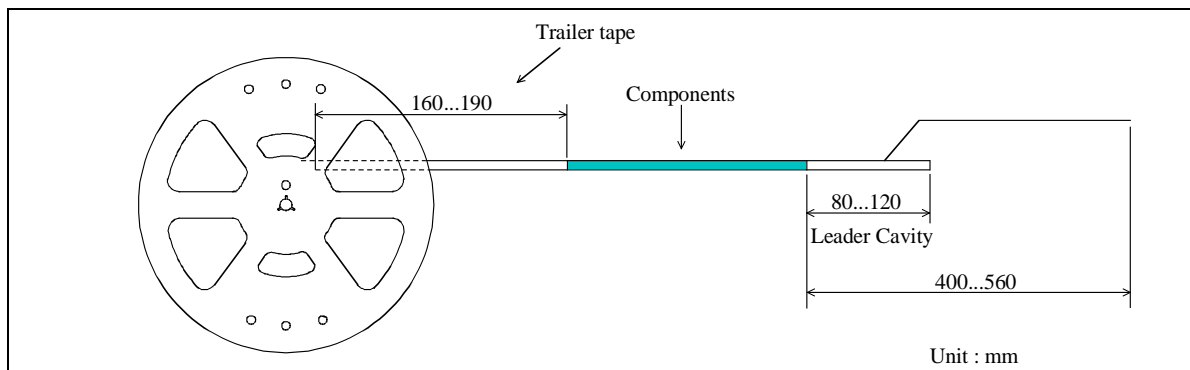
# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00

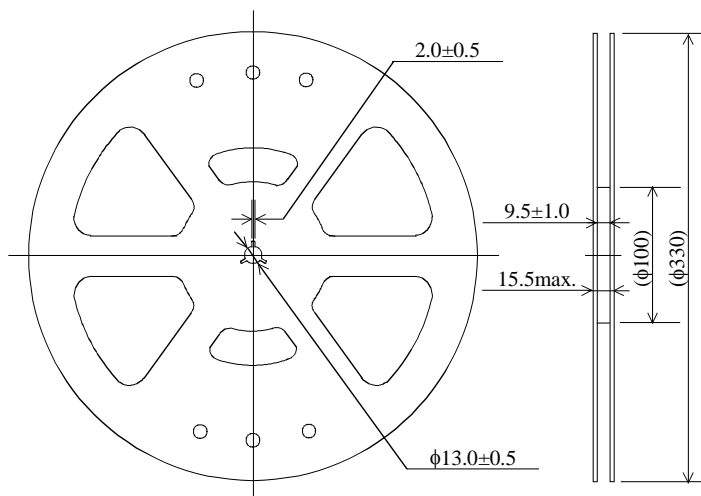
## Dimensions of Carrier Tape



## Dimensions of Tape



## Dimensions of Reel



SAYEV835MAA0F00R00 ... 10000pcs/reel  
SAYEV835MAA0F00R05 ... 5000pcs/reel

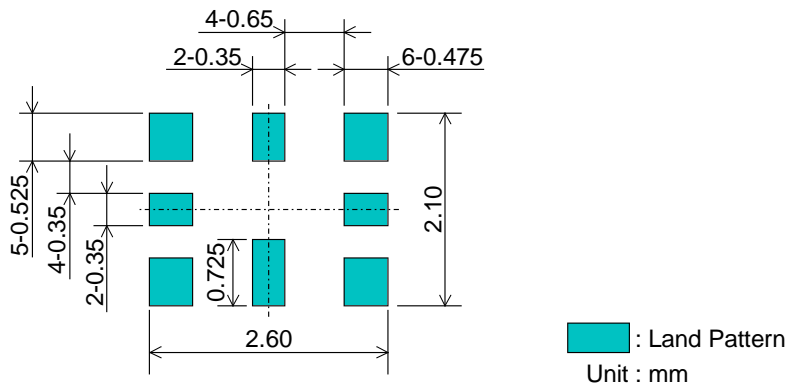
Unit: mm

# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00

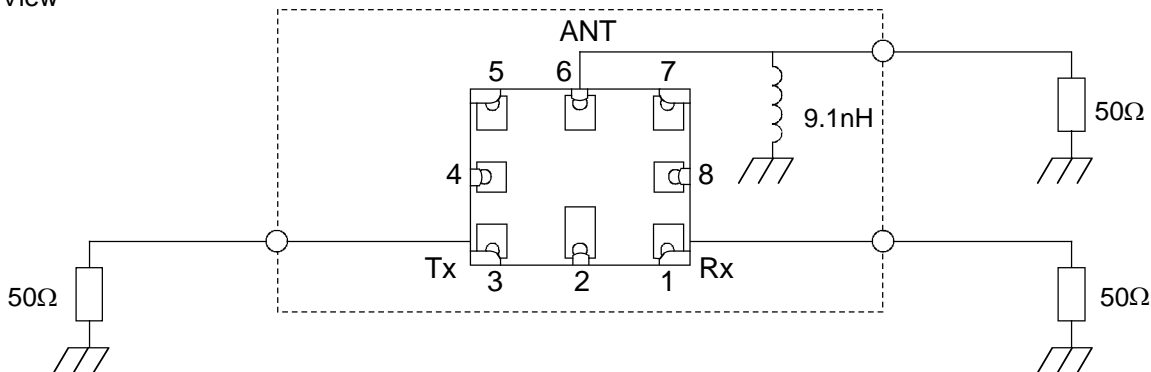
## Recommended Land Pattern

Top View



## Test Circuit

Bottom View



# SAW DPX FOR UMTS(W-CDMA) Band6

Murata part number :SAYEV835MAA0F00

## ■ 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.