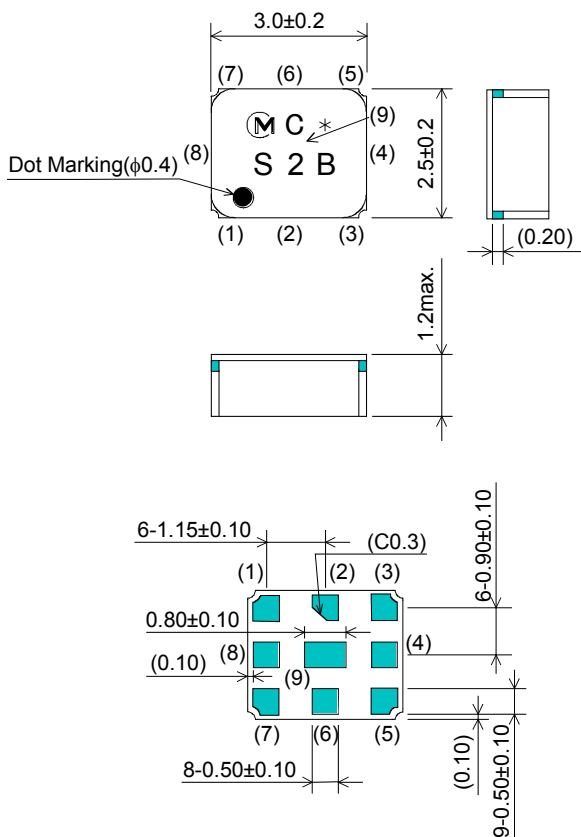


# SAW DPX FOR WCDMA Band8 Unbalance LR type

Murata part number : SAYZZ897MBA0B00 [Tx → ANT]

## Package Dimensions



Marking  
: Laser Printing

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

Unit : mm

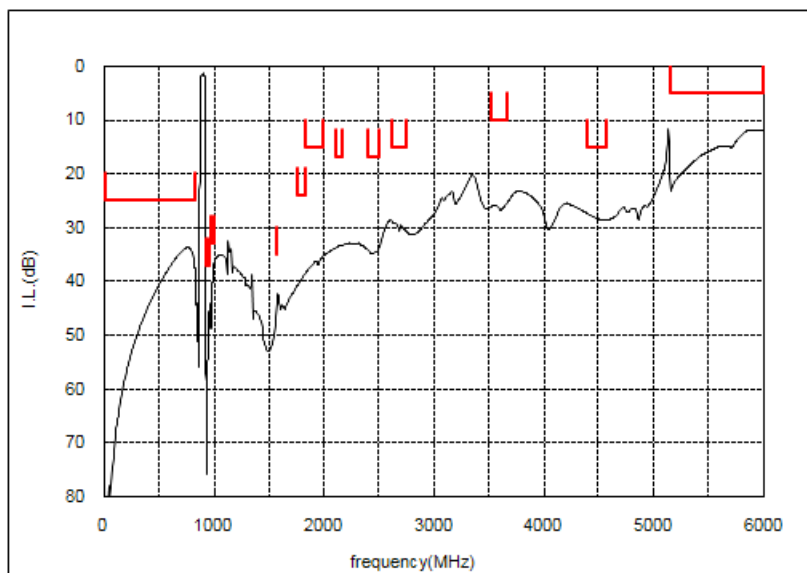
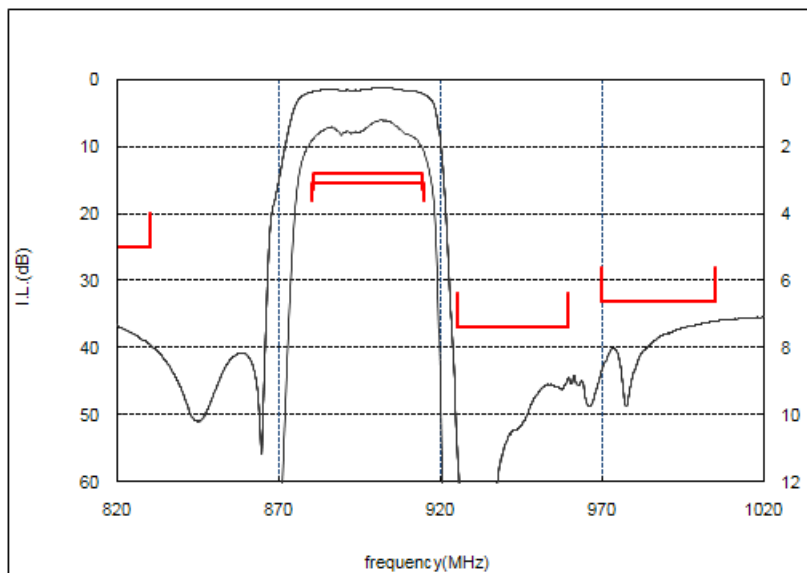
## Specification

Item	Specification		
	-15 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	897.5MHz		
Insertion Loss (880.48 to 914.52MHz)	2.8 max.	2.6 max.	2.0 dB
(880 to 915MHz)	3.1 max.	2.9 max.	2.2 dB
Absolute Attenuation			
1) 10 to 830 MHz	25 dB min.	25 dB min.	34 dB
2) 925.48 to 959.52 MHz	37 dB min.	40 dB min.	45 dB
3) 970 to 1005 MHz	33 dB min.	33 dB min.	36 dB
4) 1574 to 1577 MHz	35 dB min.	35 dB min.	44 dB
5) 1760 to 1830 MHz	24 dB min.	24 dB min.	39 dB
6) 1830 to 1990 MHz	15 dB min.	15 dB min.	36 dB
7) 2110 to 2170 MHz	17 dB min.	17 dB min.	34 dB
8) 2400 to 2500 MHz	17 dB min.	17 dB min.	34 dB
9) 2620 to 2745 MHz	15 dB min.	15 dB min.	29 dB
10) 3520 to 3660 MHz	10 dB min.	10 dB min.	25 dB
11) 4400 to 4575 MHz	15 dB min.	15 dB min.	27 dB
12) 5150 to 6000 MHz	5 dB min.	5 dB min.	12 dB
Ripple Deviation (880.48 to 914.52MHz)	1.8 dB max.	1.8 dB max.	0.9 dB
(880 to 915MHz)	2.1 dB max.	2.1 dB max.	1.1 dB
Ripple Deviation any 5.0MHz (880.48 to 914.52MHz)	1.4 dB max.	1.4 dB max.	0.6 dB
(880 to 915MHz)	1.7 dB max.	1.7 dB max.	0.7 dB
VSWR (880.48 to 914.52MHz)	2.0 max.	2.0 max.	1.6
(880 to 915MHz)	2.0 max.	2.0 max.	1.6
ANT Port Matching Impedance(nominal)	50Ω		
Tx Port Matching Impedance(nominal)	50Ω		
Rx Port Matching Impedance(nominal)	50Ω		
Input Signal Level	0.8W, 35000 hours WCDMA modulation (55°C)		

# SAW DPX FOR WCDMA Band8 Unbalance LR type

Murata part number :SAYZZ897MBA0B00

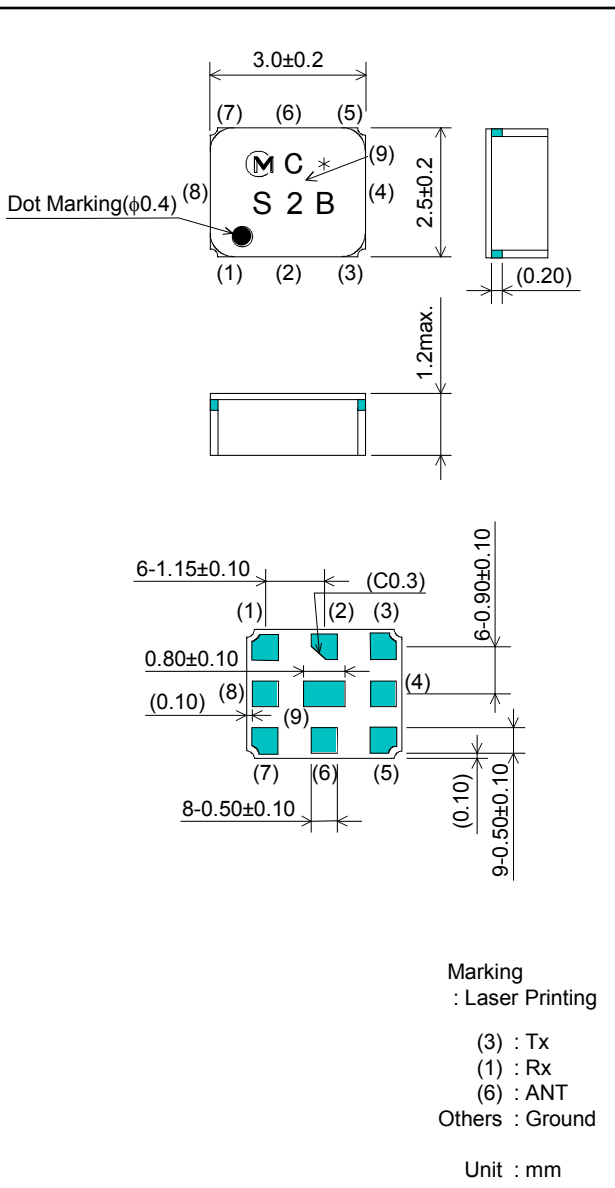
## Frequency Performance



# SAW DPX FOR WCDMA Band8 Unbalance LR type

Murata part number : SAYZZ897MBA0B00 [ANT → Rx]

## Package Dimensions



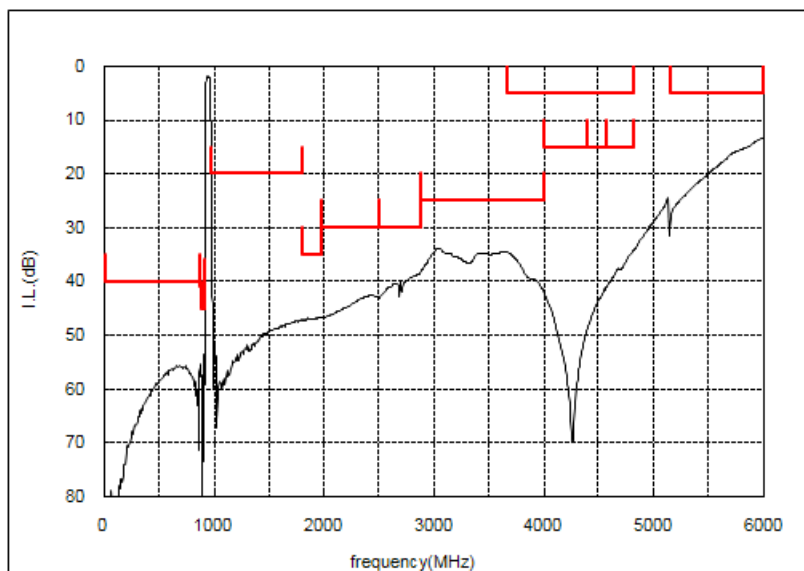
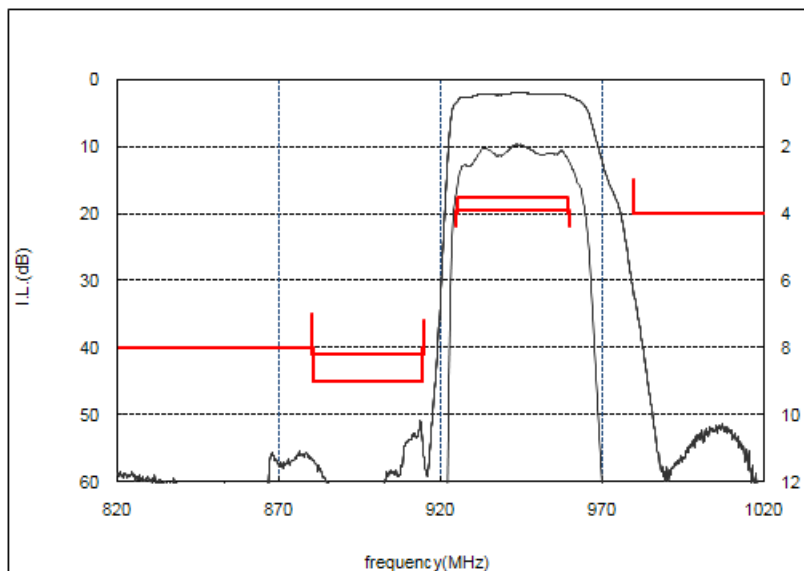
## Specification

Item	Specification		
	-15 to 85°C	25±2°C	typ.
Nominal Center Frequency(fc)	942.5MHz		
Insertion Loss (925.48 to 959.52MHz)	3.5 max.	3.1 max.	2.8 dB
(925 to 960MHz)	3.9 max.	3.4 max.	2.9 dB
1) 10 to 880 MHz	40 dB min.	40 dB min.	55 dB
2) 880.48 to 914.52 MHz	45 dB min.	45 dB min.	51 dB
3) 880 to 915 MHz	41 dB min.	45 dB min.	51 dB
4) 980 to 1805 MHz	20 dB min.	20 dB min.	33 dB
5) 1805 to 1980 MHz	35 dB min.	35 dB min.	47 dB
6) 1980 to 2500 MHz	30 dB min.	30 dB min.	43 dB
7) 2500 to 2880 MHz	30 dB min.	30 dB min.	39 dB
8) 2880 to 4000 MHz	25 dB min.	25 dB min.	34 dB
9) 4000 to 4810 MHz	15 dB min.	15 dB min.	36 dB
10) 4810 to 6000 MHz	5 dB min.	5 dB min.	13 dB
Ripple Deviation (925.48 to 959.52MHz)	1.7 dB max.	1.7 dB max.	0.8 dB
(925 to 960MHz)	2.1 dB max.	2.1 dB max.	1.0 dB
Ripple Deviation any 5.0MHz (925.48 to 959.52MHz)	1.2 dB max.	1.2 dB max.	0.5 dB
(925 to 960MHz)	1.6 dB max.	1.6 dB max.	0.6 dB
VSWR (925.48 to 959.52MHz)	2.2 max.	2.2 max.	1.8
(925 to 960MHz)	2.2 max.	2.2 max.	1.8
ANT Port Matching Impedance(nominal)	50Ω		
Tx Port Matching Impedance(nominal)	50Ω		
Rx Port Matching Impedance(nominal)	50Ω		

# SAW DPX FOR WCDMA Band8 Unbalance LR type

Murata part number :SAYZZ897MBA0B00

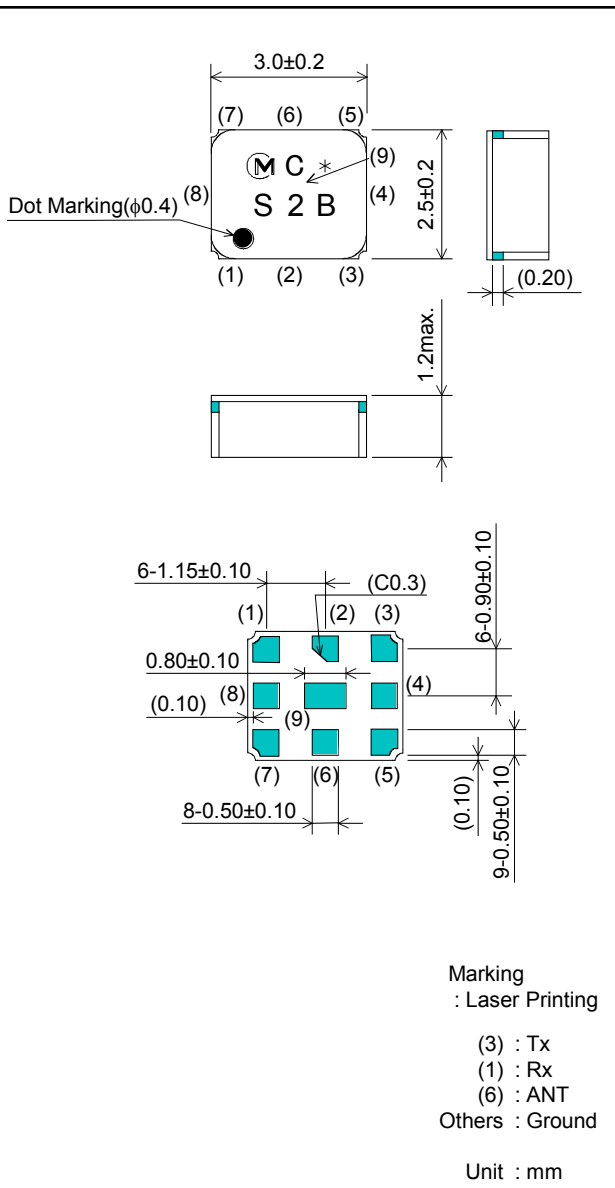
## Frequency Performance



# SAW DPX FOR WCDMA Band8 Unbalance LR type

Murata part number : SAYZZ897MBA0B00 [Tx → Rx]

## Package Dimensions



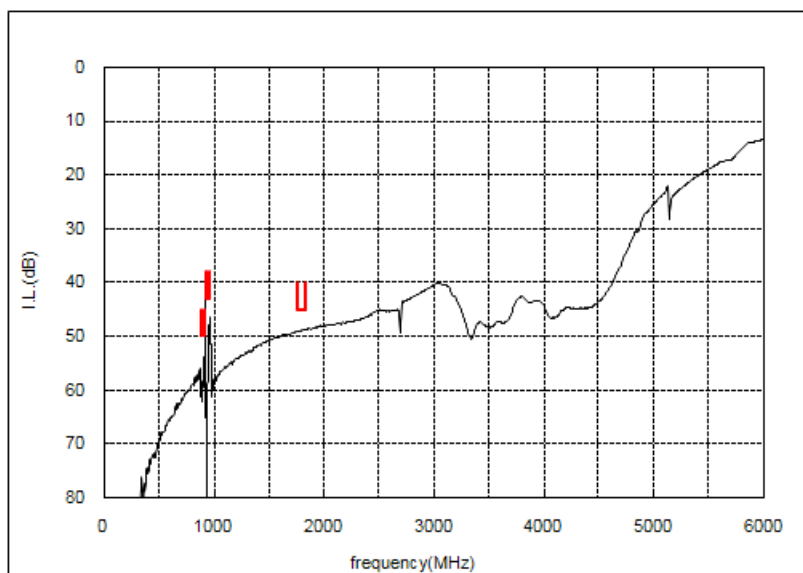
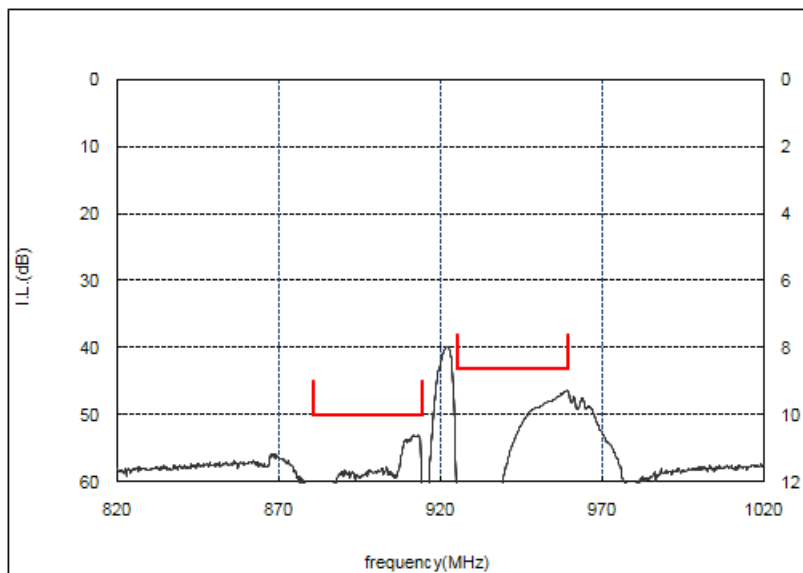
## Specification

Item	Specification		
	-15 to 85°C	25±2°C	typ.
<b>Isolation</b>			
1) 880.48 to 914.52 MHz	50 dB min.	50 dB min.	53 dB
2) 925.48 to 959.52 MHz	43 dB min.	43 dB min.	46 dB
3) 1760 to 1830 MHz	45 dB min.	45 dB min.	49 dB

# SAW DPX FOR WCDMA Band8 Unbalance LR type

Murata part number :SAYZZ897MBA0B00

## Frequency Performance

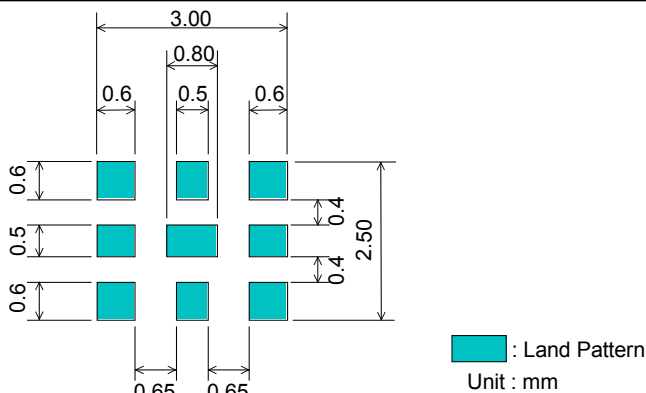




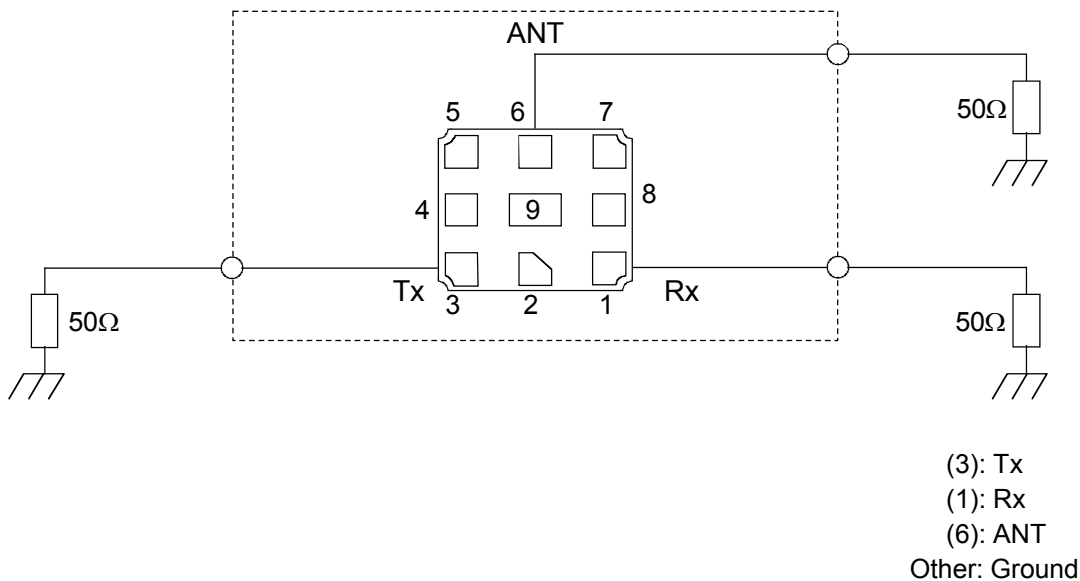
# SAW DPX FOR WCDMA Band8 Unbalance LR type

Murata part number : SAYZZ897MBA0B00

## Recommended Land Pattern



## Test Circuit



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