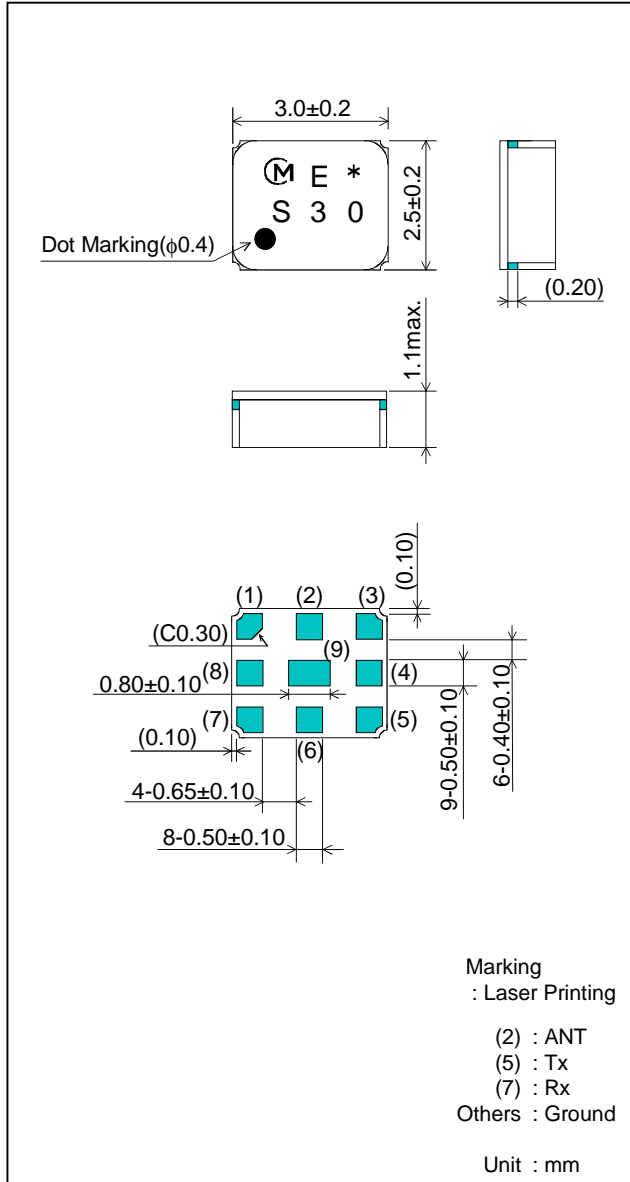


SAW DPX FOR WCDMA Band2 RR type

Murata part number :SAYZY1G88EB0B00 [Tx→ANT]

■ Package Dimensions



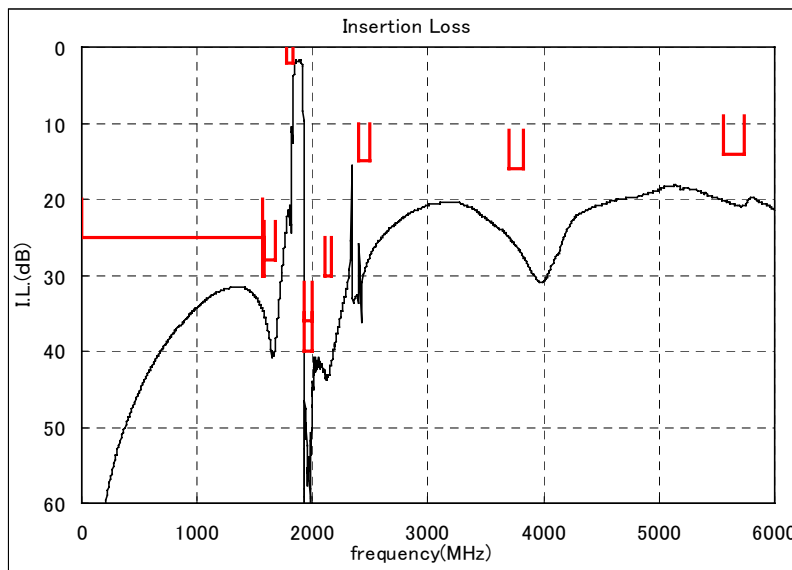
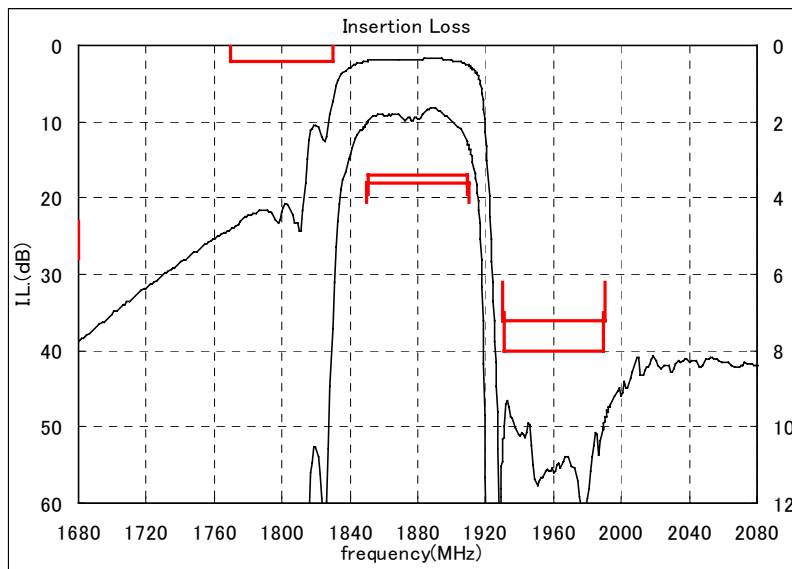
■ Specification

Item	Specification		
	-15 to 80°C	25±2°C	typ.
Nominal Center Frequency(fc)	1880MHz		
Insertion Loss (1850.5 to 1909.5MHz)	3.4 dB max.	3.1 dB max.	2.5 dB
	(1850 to 1910MHz)	3.6 dB max.	3.2 dB max.
Absolute Attenuation	1) 0.1 to 1570 MHz	25 dB min.	25 dB min.
	2) 1570 to 1580 MHz	30 dB min.	30 dB min.
	3) 1580 to 1680 MHz	28 dB min.	28 dB min.
	4) 1770 to 1830 MHz	2 dB min.	2 dB min.
	5) 1930.5 to 1989.5 MHz	40 dB min.	40 dB min.
	6) 1930 to 1990 MHz	36 dB min.	36 dB min.
	7) 2110 to 2155 MHz	30 dB min.	30 dB min.
	8) 2400 to 2500 MHz	15 dB min.	15 dB min.
	9) 3700 to 3820 MHz	16 dB min.	16 dB min.
	10) 5550 to 5730 MHz	14 dB min.	14 dB min.
Ripple Deviation (1850.5 to 1909.5MHz)	2.2dB max.	2.2dB max.	0.9 dB
	(1850 to 1910MHz)	2.5dB max.	2.5dB max.
Any 3.84MHz Ripple Deviation (1850.5 to 1909.5MHz)	1.2dB max.	1.2dB max.	0.3 dB
	(1850 to 1910MHz)	1.4dB max.	1.4dB max.
VSWR (1850 to 1910MHz Tx)	2.2 max.	2.2 max.	1.6
	(1850 to 1910MHz ANT)	2.2 max.	2.2 max.
Input/Output Impedance (nominal)	50Ω		
Input Signal Level	0.8W, 35000 hours, WCDMA or CDMA modulation(55°C)		

SAW DPX FOR WCDMA Band2 RR type

Murata part number :SAYZY1G88EB0B00 [Tx→ANT]

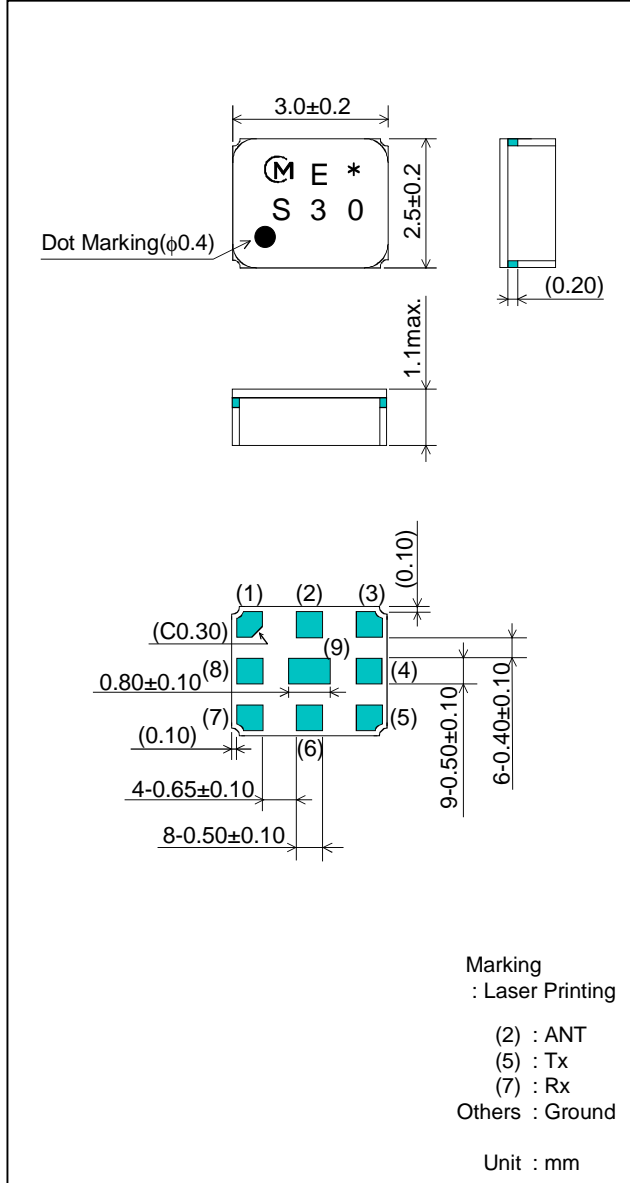
■ Frequency Performance



SAW DPX FOR WCDMA Band2 RR type

Murata part number :SAYZY1G88EB0B00 [ANT→Rx]

Package Dimensions



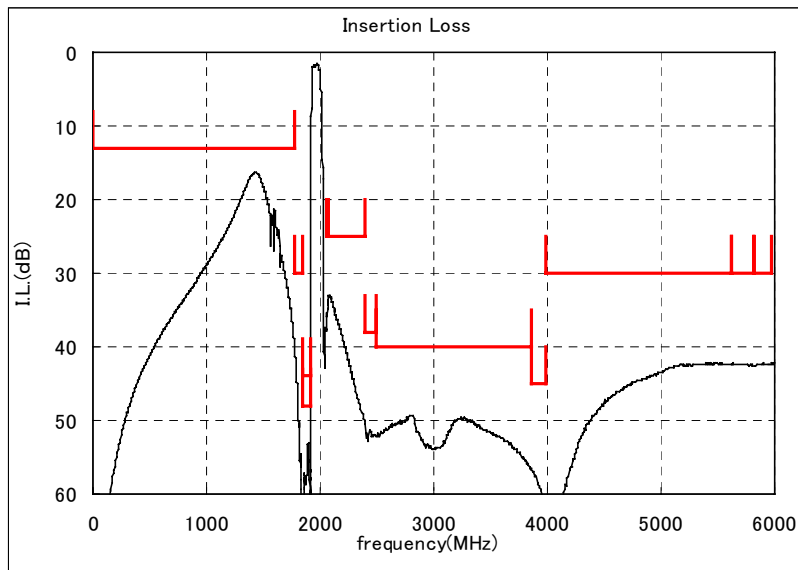
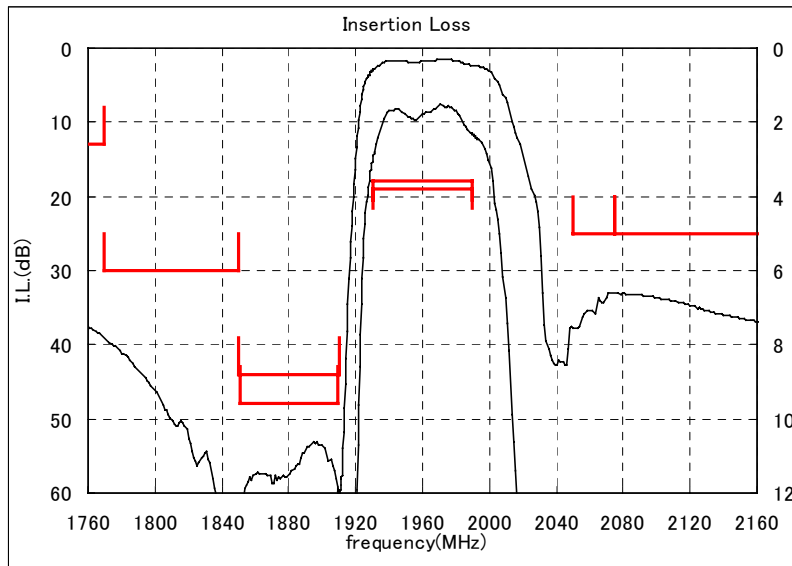
Specification

Item	Specification		
	-15 to 80°C	25±2°C	typ.
Nominal Center Frequency(fc)	1960MHz		
Insertion Loss (1930.5 to 1989.5MHz)	3.6 dB max.	3.4 dB max.	2.7 dB
(1930 to 1990MHz)	3.8 dB max.	3.6 dB max.	2.8 dB
Absolute Attenuation			
1) 0.1 to 1770 MHz	13 dB min.	13 dB min.	16 dB
2) 1770 to 1850 MHz	30 dB min.	30 dB min.	35 dB
3) 1850.5 to 1909.5 MHz	48 dB min.	48 dB min.	53 dB
4) 1850 to 1910 MHz	44 dB min.	44 dB min.	53 dB
5) 2050 to 2075 MHz	25 dB min.	25 dB min.	31 dB
6) 2075 to 2400 MHz	25 dB min.	25 dB min.	31 dB
7) 2400 to 2500 MHz	38 dB min.	38 dB min.	46 dB
8) 2500 to 3860 MHz	40 dB min.	40 dB min.	50 dB
9) 3860 to 3980 MHz	45 dB min.	45 dB min.	57 dB
10) 3980 to 5620 MHz	30 dB min.	30 dB min.	42 dB
11) 5620 to 5820 MHz	30 dB min.	30 dB min.	42 dB
12) 5820 to 5970 MHz	30 dB min.	30 dB min.	42 dB
Ripple Deviation (1930.5 to 1989.5MHz)	2.3dB max.	2.3dB max.	1.4 dB
(1930 to 1990MHz)	2.5dB max.	2.5dB max.	1.5 dB
Any 3.84MHz Ripple Deviation (1930.5 to 1989.5MHz)	1.5dB max.	1.5dB max.	0.7 dB
(1930 to 1990MHz)	1.7dB max.	1.7dB max.	0.7 dB
VSWR (1930 to 1990MHz ANT)	2.3 max.	2.3 max.	1.9
(1930 to 1990MHz Rx)	2.3 max.	2.3 max.	1.9
Input/Output Impedance (nominal)	50Ω		

SAW DPX FOR WCDMA Band2 RR type

Murata part number :SAYZY1G88EB0B00 [ANT→Rx]

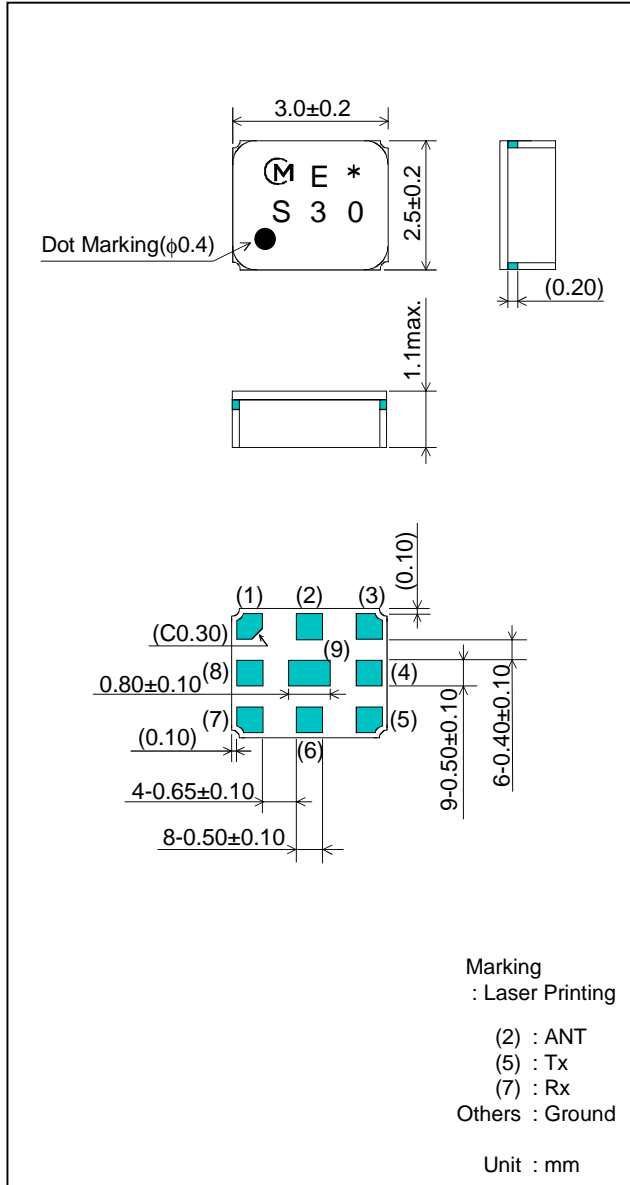
■ Frequency Performance



SAW DPX FOR WCDMA Band2 RR type

Murata part number :SAYZY1G88EB0B00 [Tx→Rx]

■ Package Dimensions



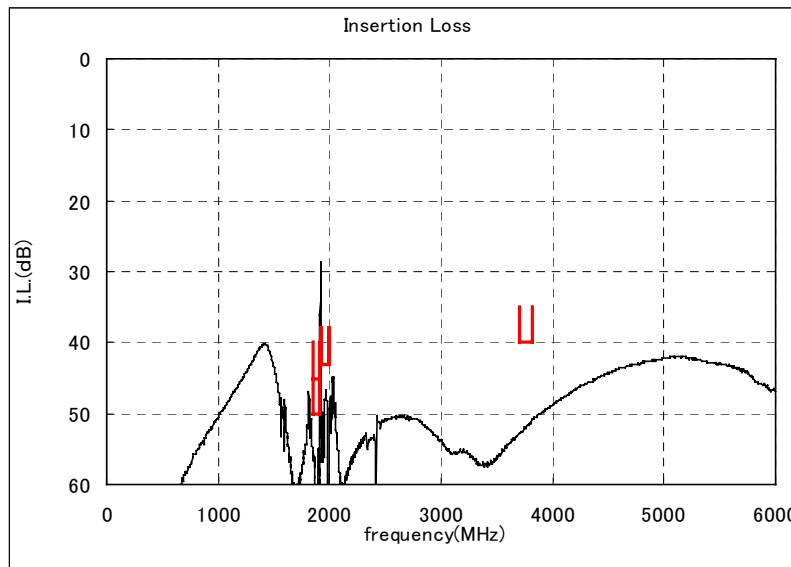
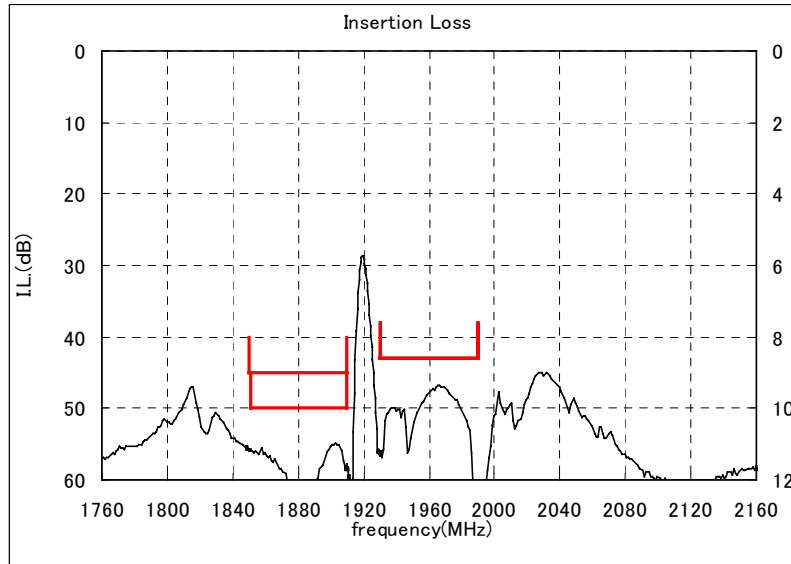
■ Specification

Item	Specification		
	-15 to 80°C	25±2°C	typ.
Isolation			
1) 1850.5 to 1909.5 MHz	50 dB min.	-	53 dB
2) 1850 to 1910 MHz	45 dB min.	50 dB min.	53 dB
3) 1930.5 to 1989.5 MHz	43 dB min.	-	47 dB
4) 1930 to 1990 MHz	43 dB min.	43 dB min.	47 dB
5) 3700 to 3820 MHz	40 dB min.	-	50 dB

SAW DPX FOR WCDMA Band2 RR type

Murata part number :SAYZY1G88EB0B00 [Tx→Rx]

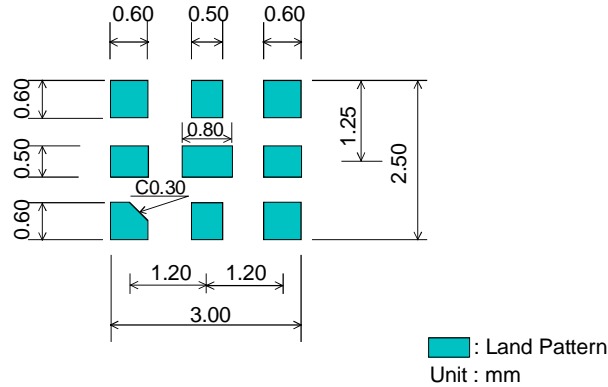
■ Frequency Performance



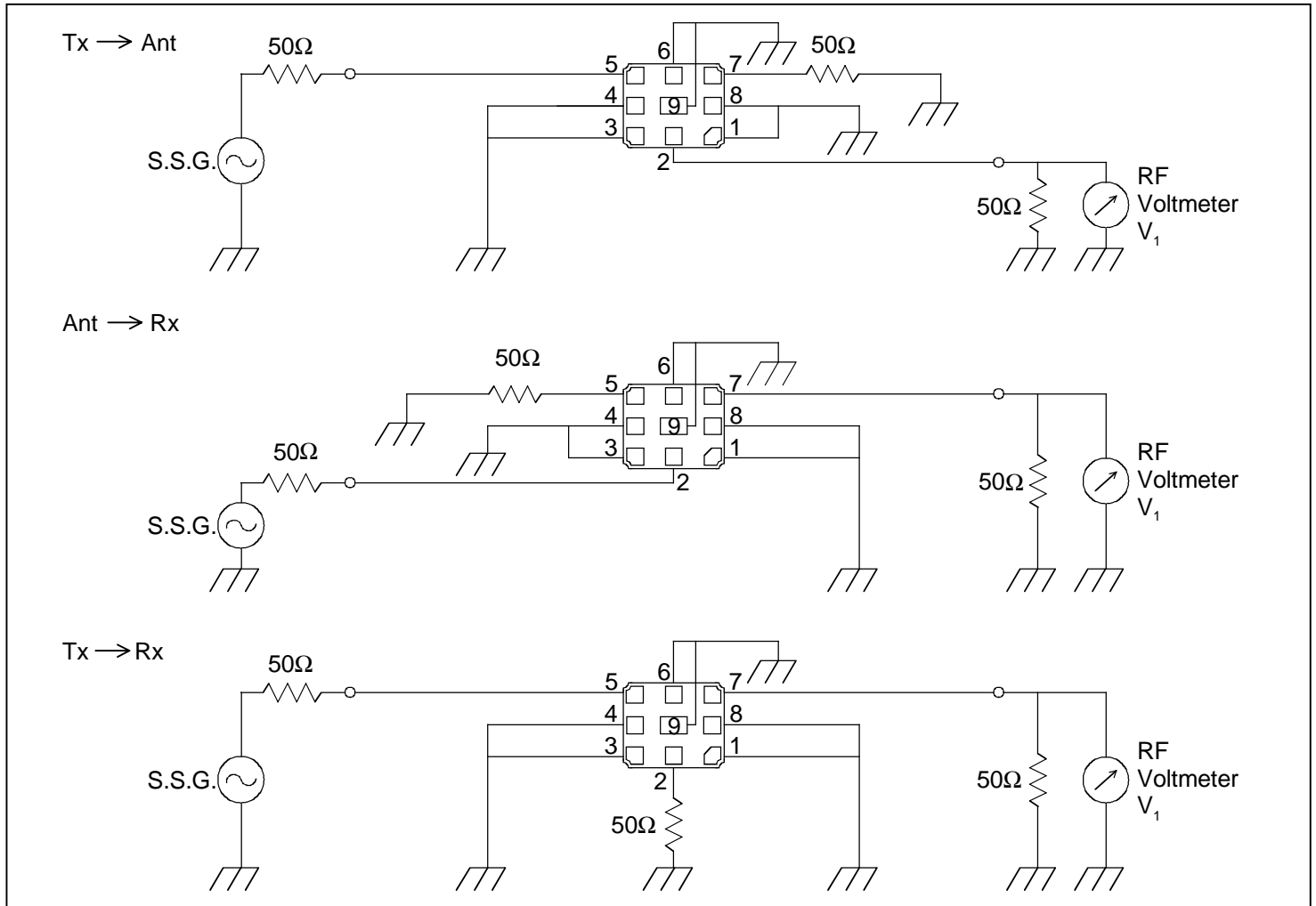
SAW DPX FOR WCDMA Band2 RR type

Murata part number :SAYZY1G88EB0B00

Recommended Land Pattern



Test Circuit



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