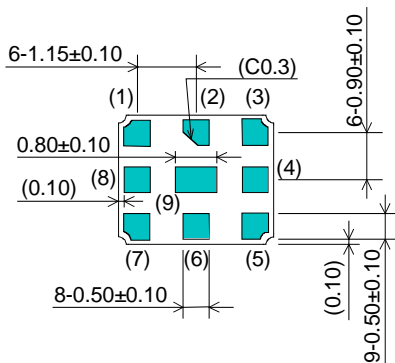
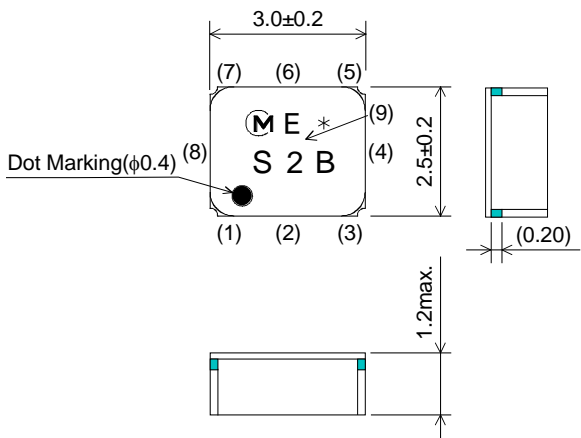


SAW DPX FOR WCDMA Band8 Balance LR type

Murata part number : SAYZZ897MCC0B00 [Tx→ANT]

Package Dimensions



Marking
: Laser Printing

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

Unit : mm

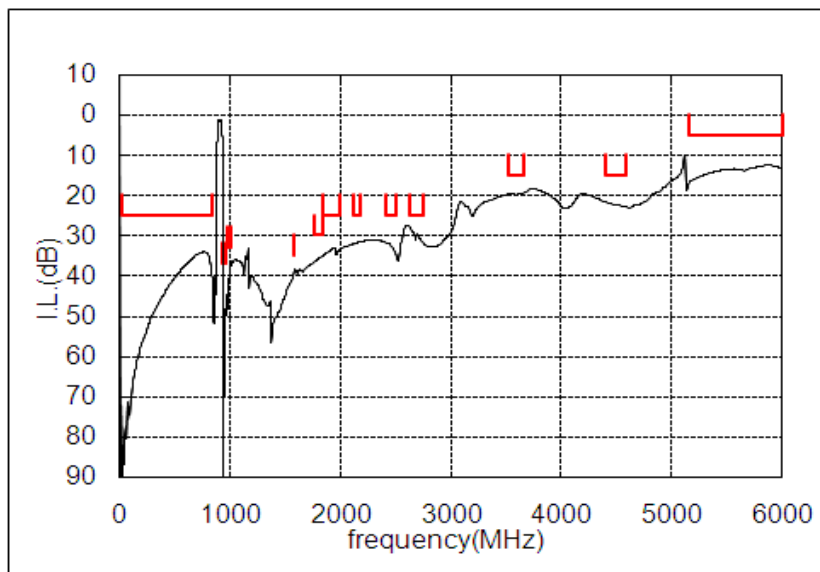
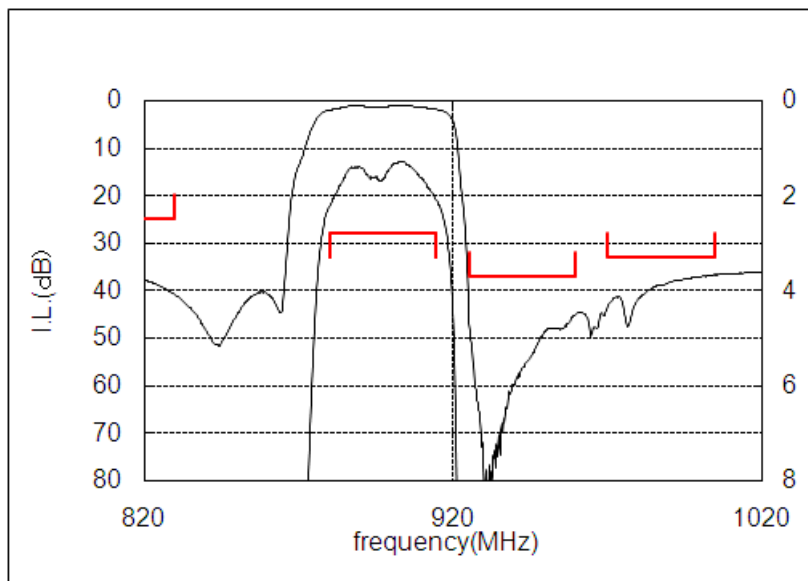
Specification

Item	Specification		
	-20 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
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	30 dB min.	30 dB min.	36 dB
6) 1830 to 1990 MHz	25 dB min.	25 dB min.	34 dB
7) 2110 to 2170 MHz	25 dB min.	25 dB min.	32 dB
8) 2400 to 2500 MHz	25 dB min.	25 dB min.	33 dB
9) 2620 to 2745 MHz	25 dB min.	25 dB min.	29 dB
10) 3520 to 3660 MHz	15 dB min.	15 dB min.	20 dB
11) 4400 to 4575 MHz	15 dB min.	15 dB min.	22 dB
12) 5150 to 6000 MHz	5 dB min.	5 dB min.	13 dB
Ripple Deviation (880.48 to 914.52MHz)	1.9 dB max.	1.9 dB max.	0.9 dB
Ripple Deviation any 5.0MHz (880.48 to 914.52MHz)	1.4 dB max.	1.3 dB max.	0.6 dB
VSWR (880.48 to 914.52MHz)	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)	100Ω		
Input Signal Level	0.8W, 35000 hours (55°C)		

SAW DPX FOR WCDMA Band8 Balance LR type

Murata part number :SAYZZ897MCC0B00 [Tx→ANT]

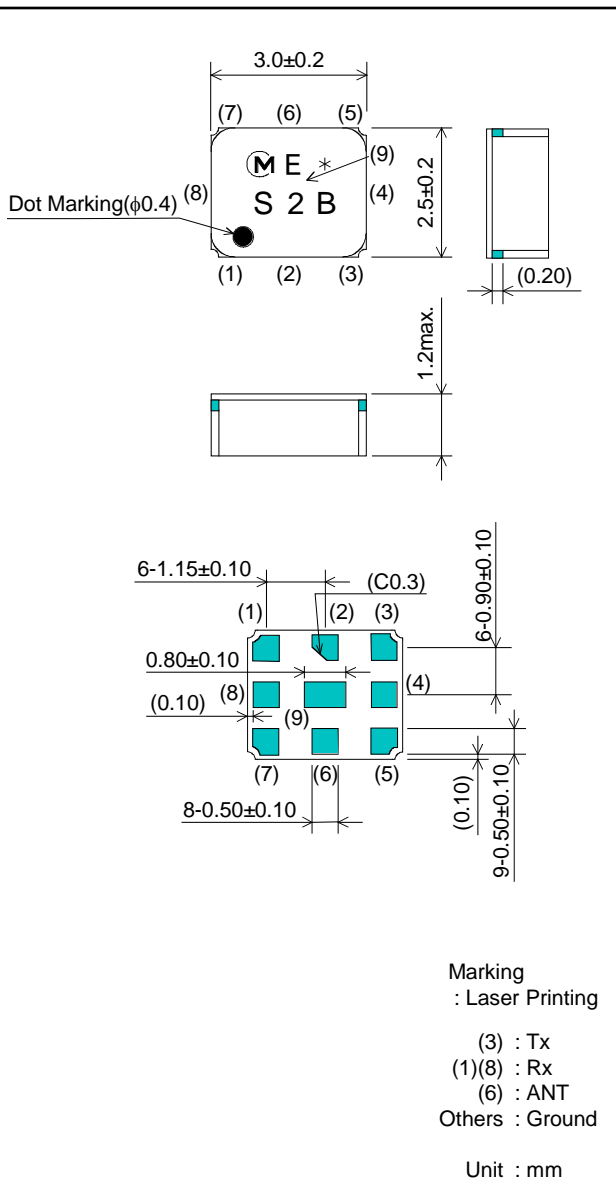
Frequency Performance



SAW DPX FOR WCDMA Band8 Balance LR type

Murata part number : SAYZZ897MCC0B00 [ANT → Rx]

Package Dimensions



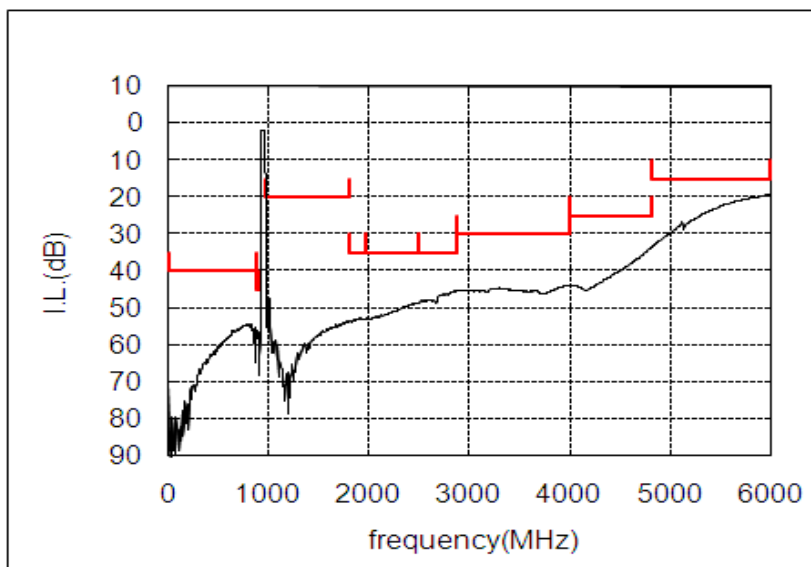
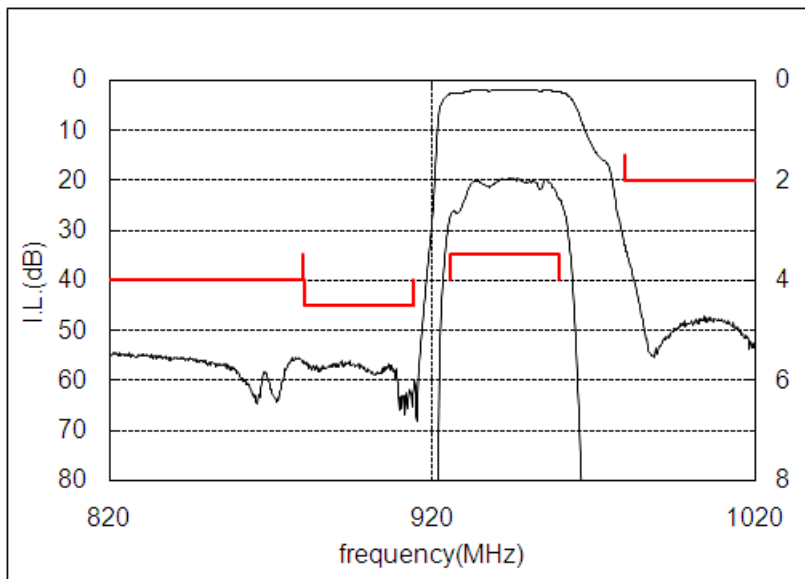
Specification

Item	Specification		
	-20 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.	2.7 dB
(925 to 960MHz)	3.9 max.	3.4 max.	2.8 dB
1) 10 to 880 MHz	40 dB min.	40 dB min.	55 dB
2) 880.48 to 914.52 MHz	48 dB min.	50 dB min.	58 dB
3) 880 to 915 MHz	41 dB min.	50 dB min.	57 dB
4) 980 to 1805 MHz	20 dB min.	25 dB min.	34 dB
5) 1805 to 1980 MHz	35 dB min.	35 dB min.	56 dB
6) 1980 to 2500 MHz	35 dB min.	35 dB min.	51 dB
7) 2500 to 2880 MHz	35 dB min.	35 dB min.	46 dB
8) 2880 to 4000 MHz	30 dB min.	30 dB min.	43 dB
9) 4000 to 4810 MHz	25 dB min.	25 dB min.	33 dB
10) 4810 to 6000 MHz	15 dB min.	15 dB min.	20 dB
Ripple Deviation (925.48 to 959.52MHz)	1.8 dB max.	1.8 dB max.	0.8 dB
(925 to 960MHz)	2.2 dB max.	2.2 dB max.	0.9 dB
Ripple Deviation any 5.0MHz (925.48 to 959.52MHz)	1.3 dB max.	1.2 dB max.	0.6 dB
VSWR (925.48 to 959.52MHz)	2.1 max.	2.1 max.	1.6
(925 to 960MHz)	2.3 max.	2.3 max.	1.6
Amplitude Balance (925.48 to 959.52MHz)	±1.0dB max.	±1.0dB max.	0.3 dB
(925 to 960MHz)	±1.0dB max.	±1.0dB max.	0.3 dB
Phase Balance (925.48 to 959.52MHz)	180±10deg. max.	180±10deg. max.	180+4.2deg.
(925 to 960MHz)	180±10deg. max.	180±10deg. max.	180+4.3deg.
ANT Port Matching Impedance(nominal)	50Ω		
Tx Port Matching Impedance(nominal)	50Ω		
Rx Port Matching Impedance(nominal)	100Ω		

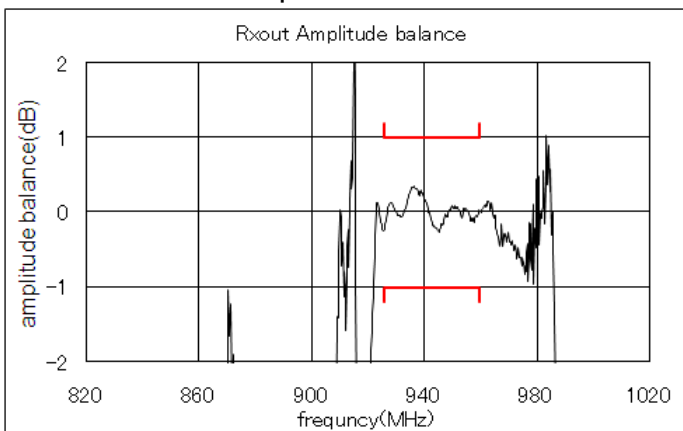
SAW DPX FOR WCDMA Band8 Balance LR type

Murata part number : SAYZZ897MCC0B00 [ANT→Rx]

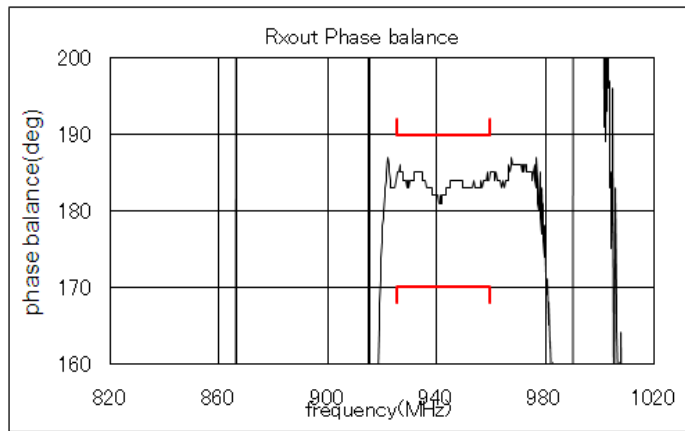
Frequency Performance



Amplitude balance



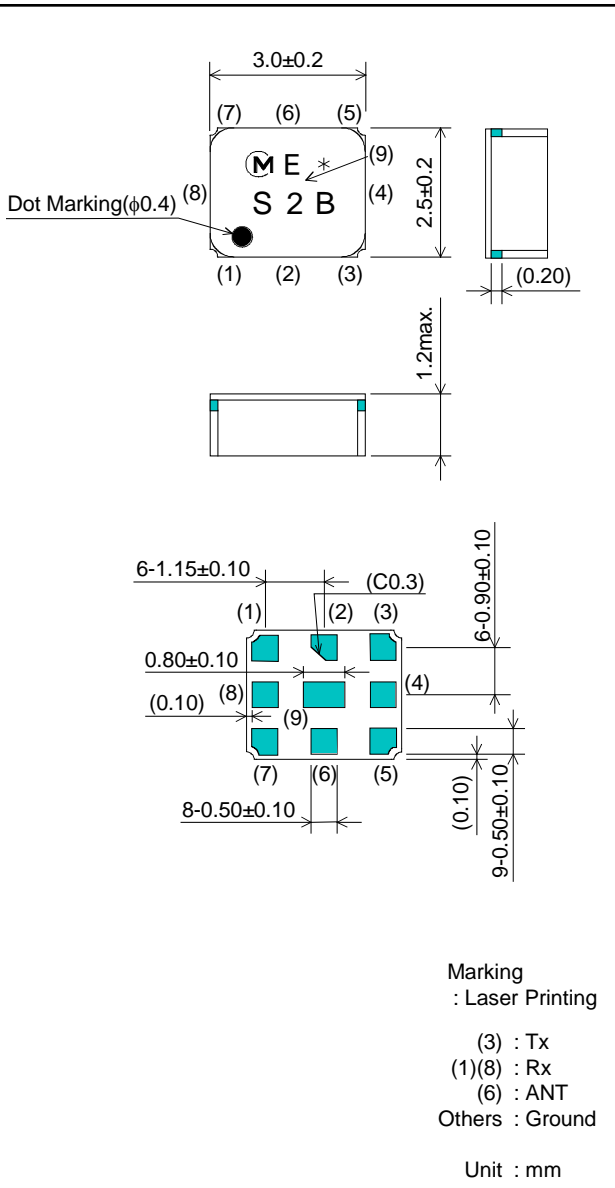
Phase balance



SAW DPX FOR WCDMA Band8 Balance LR type

Murata part number : SAYZZ897MCC0B00 [Tx→Rx]

Package Dimensions



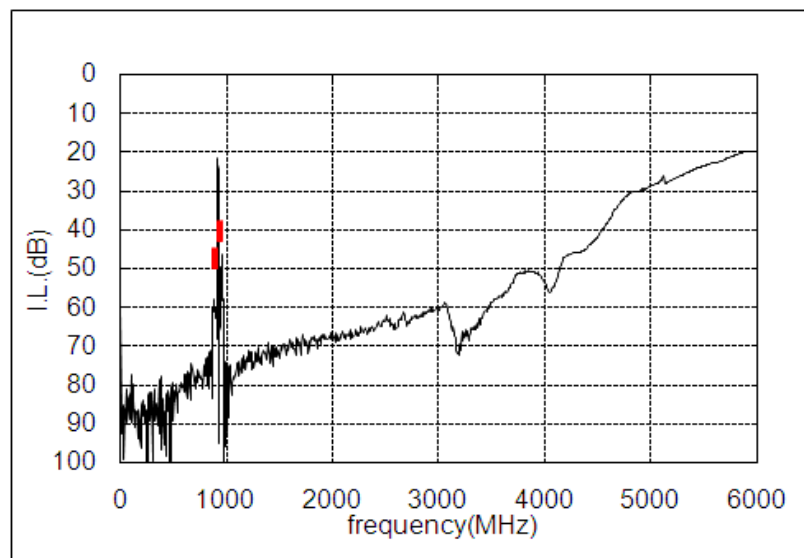
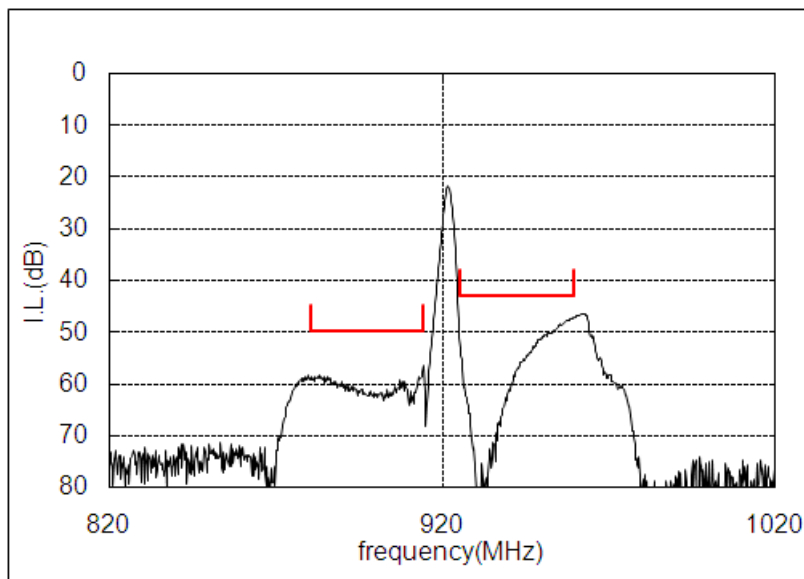
Specification

Item	Specification		
	-20 to 85°C	25±2°C	typ.
Isolation			
1) 880.48 to 914.52 MHz	50 dB min.	54 dB min.	58 dB
2) 925.48 to 959.52 MHz	43 dB min.	43 dB min.	46 dB
3) 1760 to 1830 MHz	45 dB min.	50 dB min.	66 dB

SAW DPX FOR WCDMA Band8 Balance LR type

Murata part number :SAYZZ897MCC0B00 [Tx→Rx]

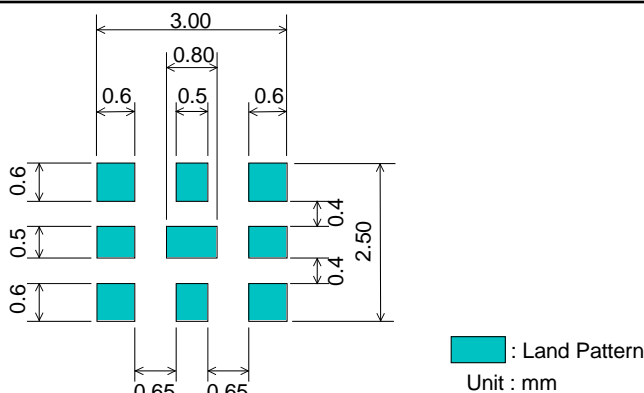
Frequency Performance



SAW DPX FOR WCDMA Band8 Balance LR type

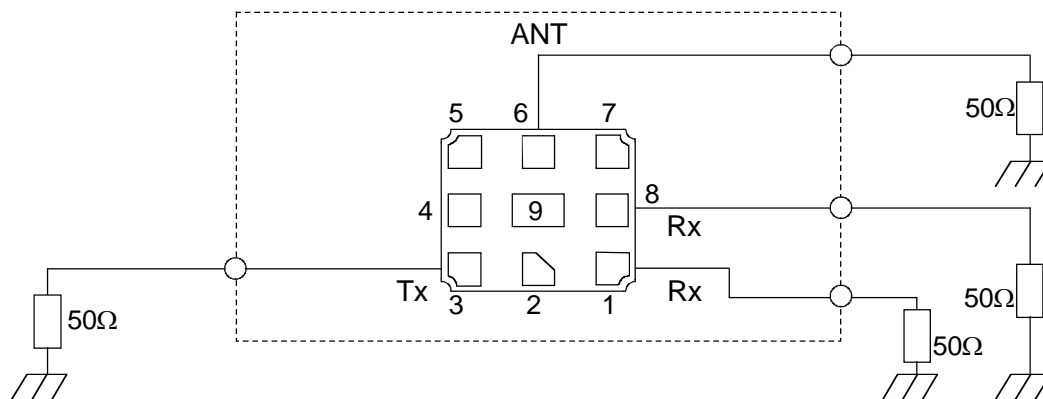
Murata part number : SAYZZ897MCC0B00

Recommended Land Pattern

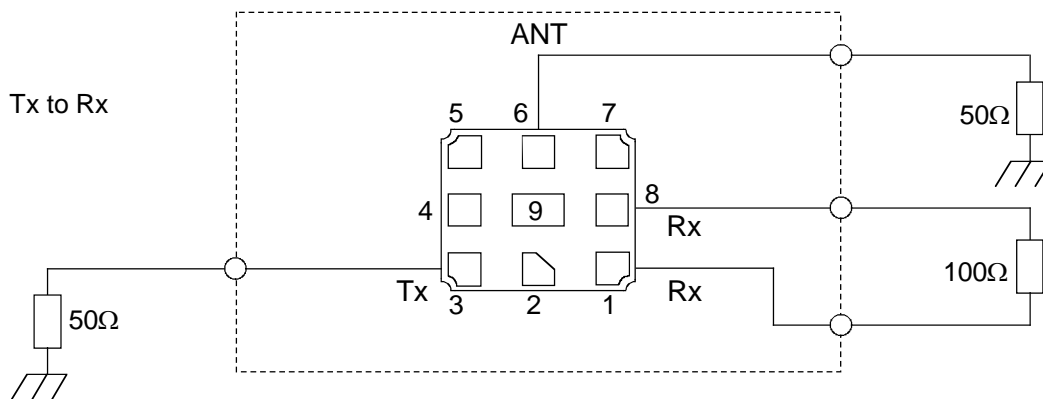


Test Circuit

Tx to ANT



ANT to Rx, Tx to Rx



(3): Tx
(1)(8): Rx
(6): ANT
Other: Ground

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