

Datasheet of SAW Device

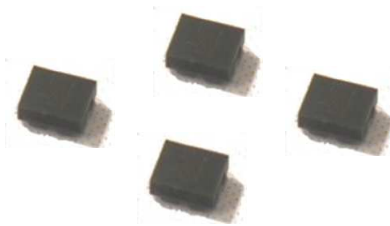
SAW Duplexer

for Band1 / Balanced / LR /1814

Murata PN: SAYEY1G95HA0F0A

■ Feature

- Small size
- LTE-A



Note : Murata SAW Component is applicable for Cellular /Cordless phone (Terminal) relevant market only.
Please also read caution at the end of this document.

SAYEY1G95HA0F0A (Band1 / Balanced / LR / 1814)

Revision Number	Date	Description
SAYEY1G95HA0F0A_rev. A	Jul-11-2013	■ Initial Release
SAYEY1G95HA0F0A_rev. B	Sep-20-2013	
SAYEY1G95HA0F0A_rev. C	Apr-29-2014	■ Updated for MP
SAYEY1G95HA0F0A_rev. D	Sep-02-2015	■ Updated General Information
SAYEY1G95HA0F0A_rev. E	Sep-15-2016	■ Updated General Information

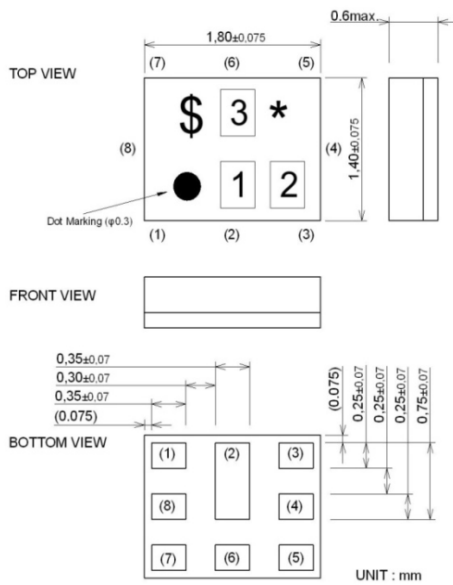
- Operating temperature : -20 to +85 deg.C
- Storage temperature : -40 to +85 deg.C
- Input Power : +29 dBm 5000 h 55 deg.C
- D.C. Volatage between the terminals : 3V (25+/-2 deg.C)
- Minimum Resistance between the terminals : 10M ohm
- RoHS compliance : Yes

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Package Dimensions & Recommended Land Pattern

unit: mm

Dimensions



Marking : Laser Printing

* : Month code(Refer to the table A)

\$: Date code(Refer to the table B)

1 : 4

2 : U

3 : A

Terminal Number

(6) : Ant

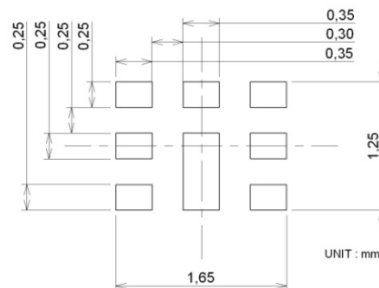
(3) : TX

(1)(8) : RX

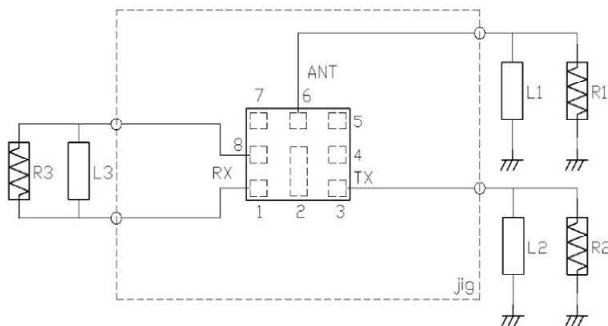
Others : GND

Notice) Please refer to Measurement Circuit for Port information in detail.

Land Pattern



Measurement Circuit (Top Thru View)

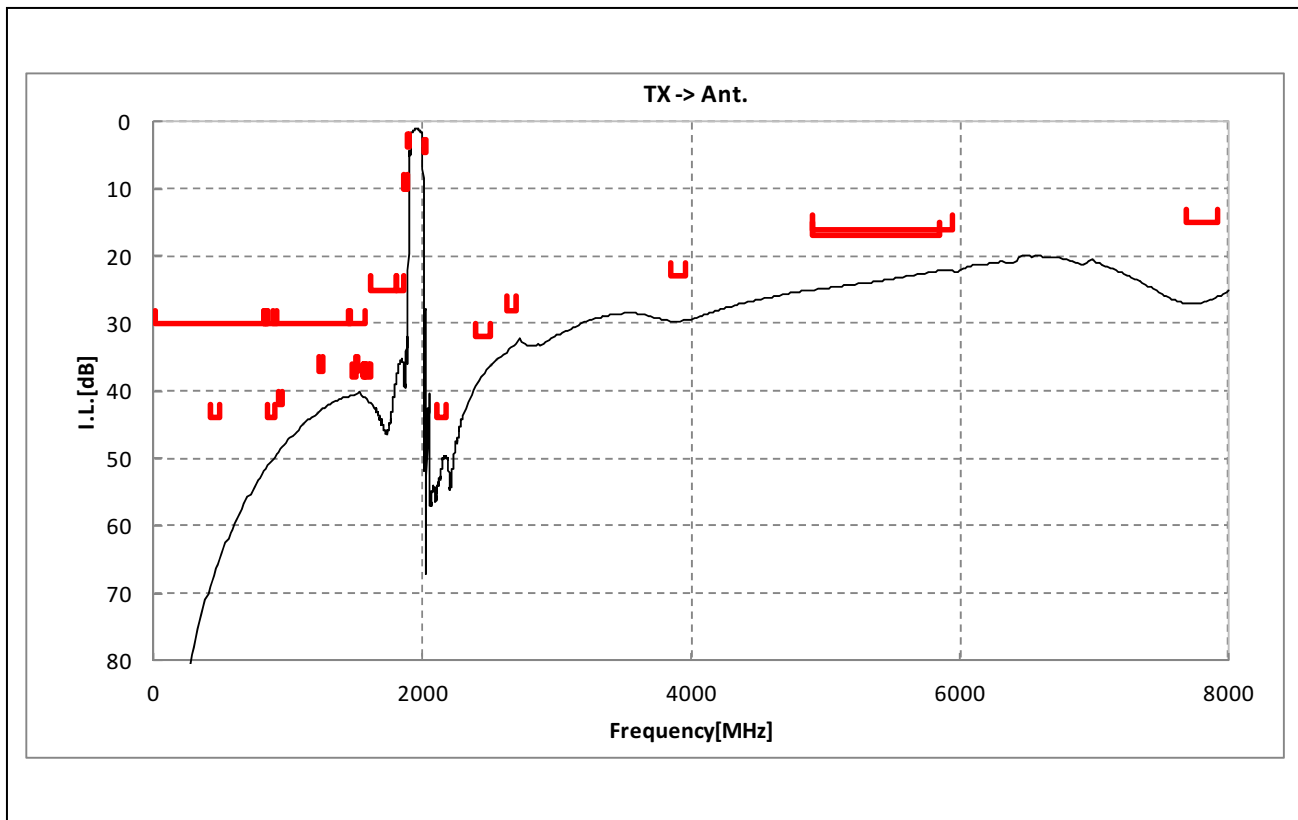
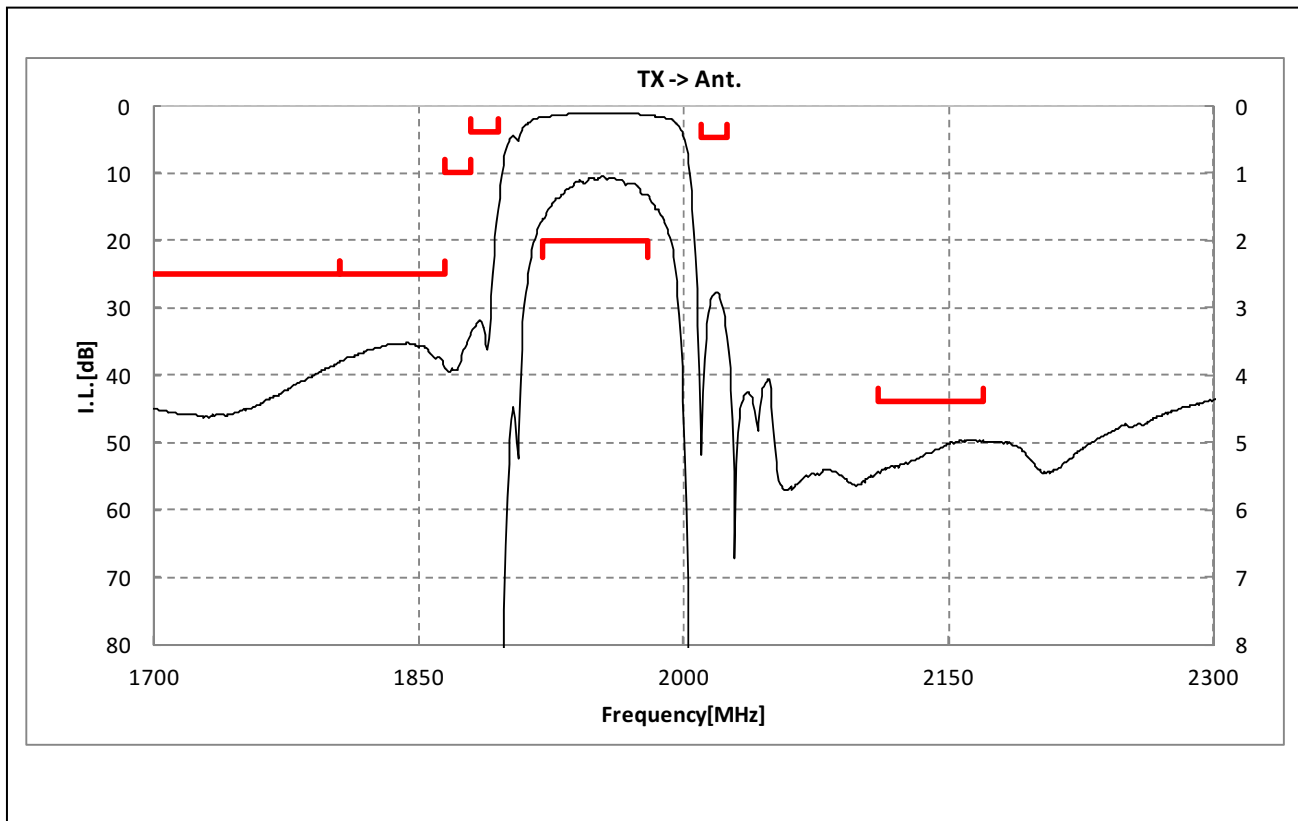


R1 : 50 ohm	L1 :2.1nH(Ideal inductor)
	:2.5nH(LQP0603TN2N5)
	<Reference>
R2 : 50 ohm	L2 :8nH(Ideal inductor)
R3 : 100 ohm	L3 :10nH(Ideal inductor)

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Electrical Characteristic

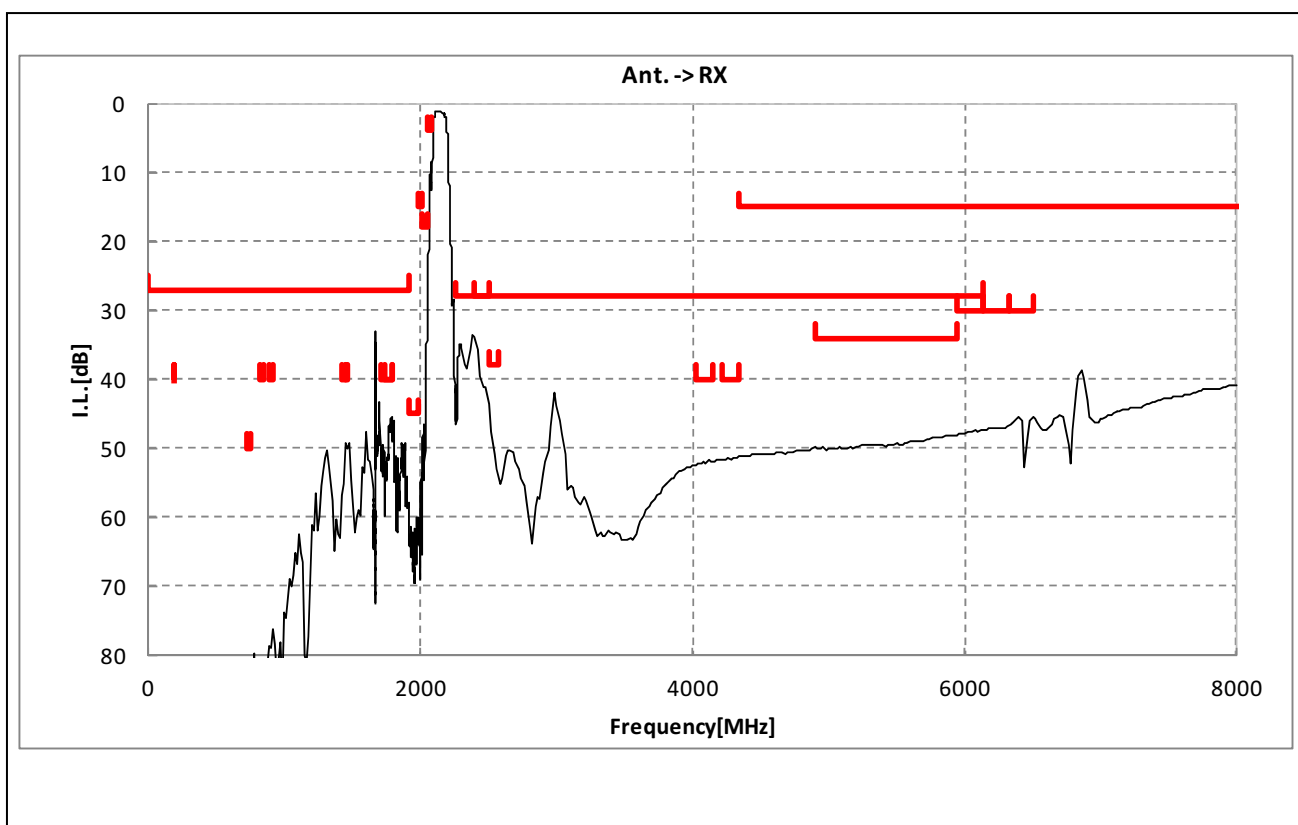
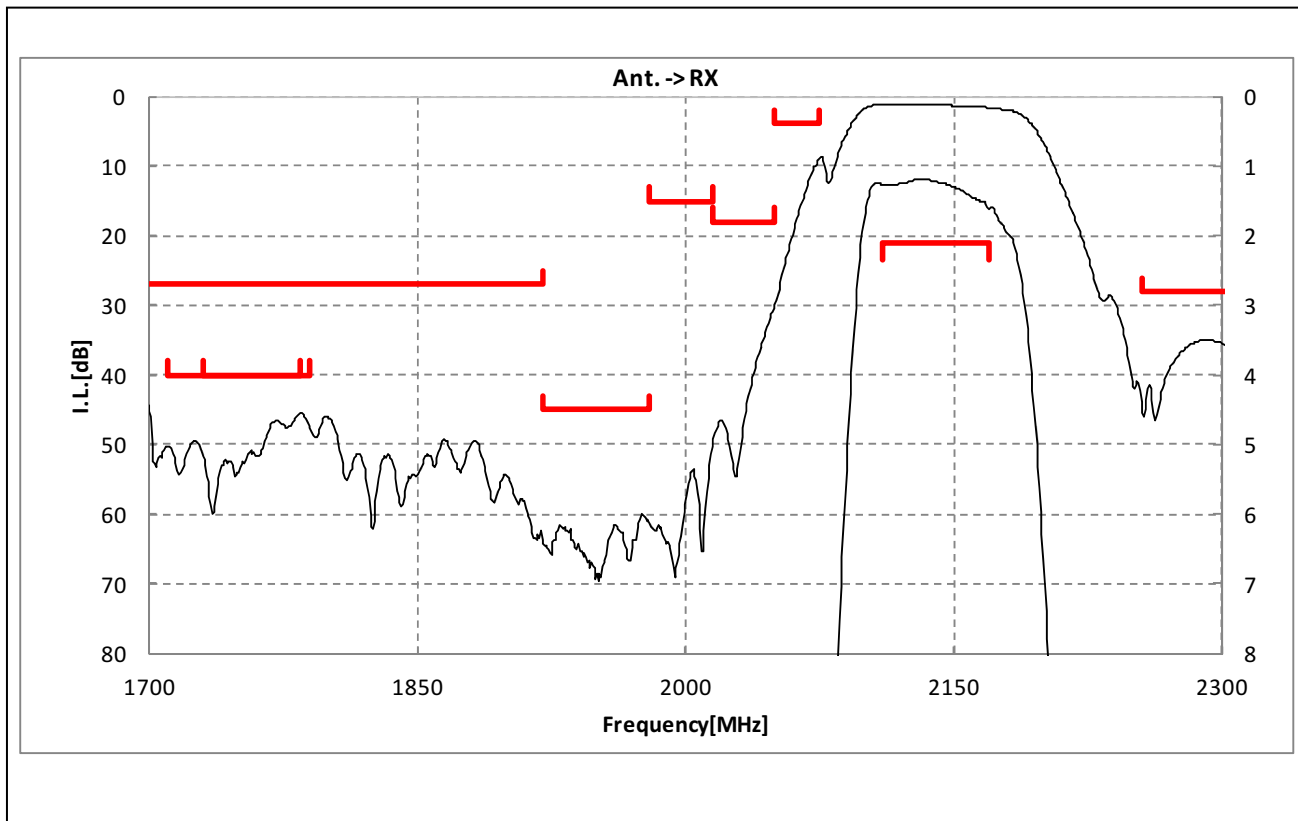
< TX→ANT. >



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Electrical Characteristic

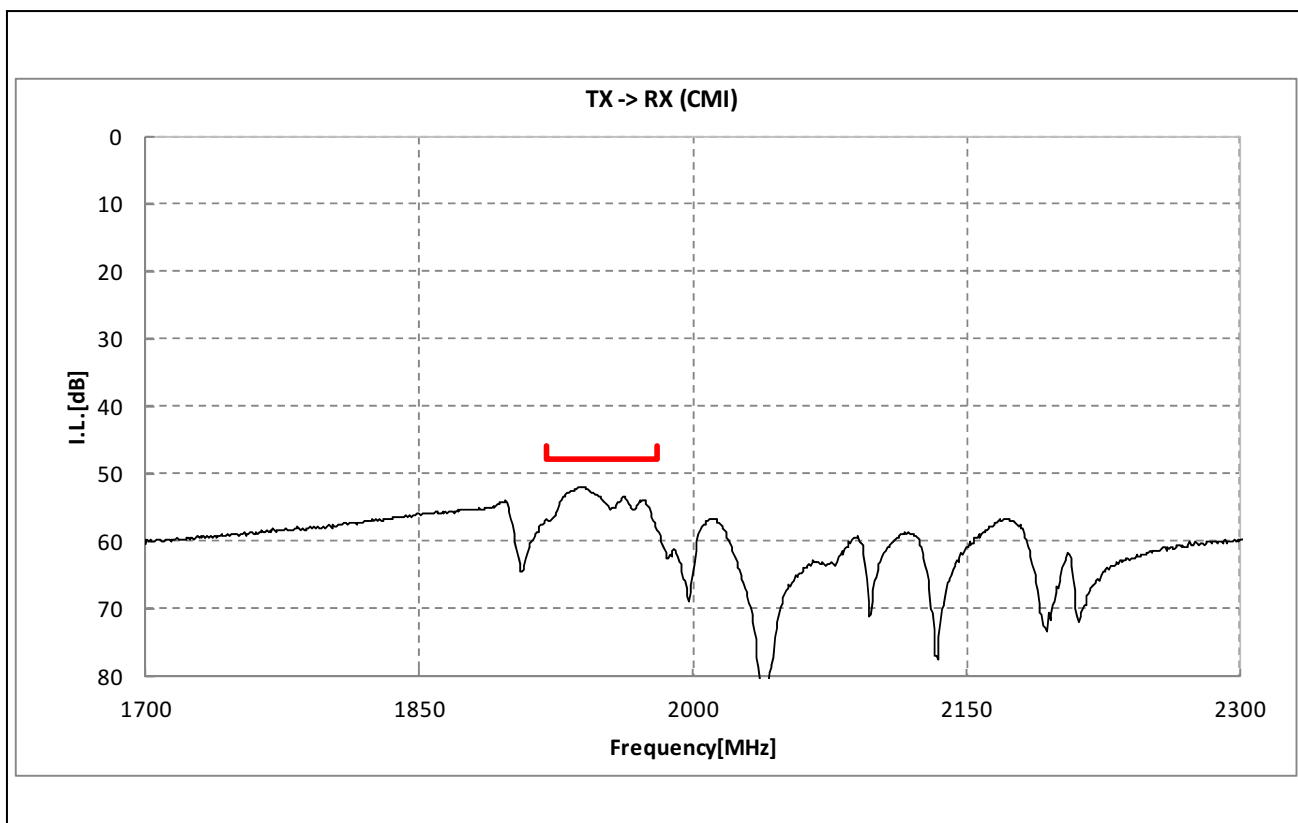
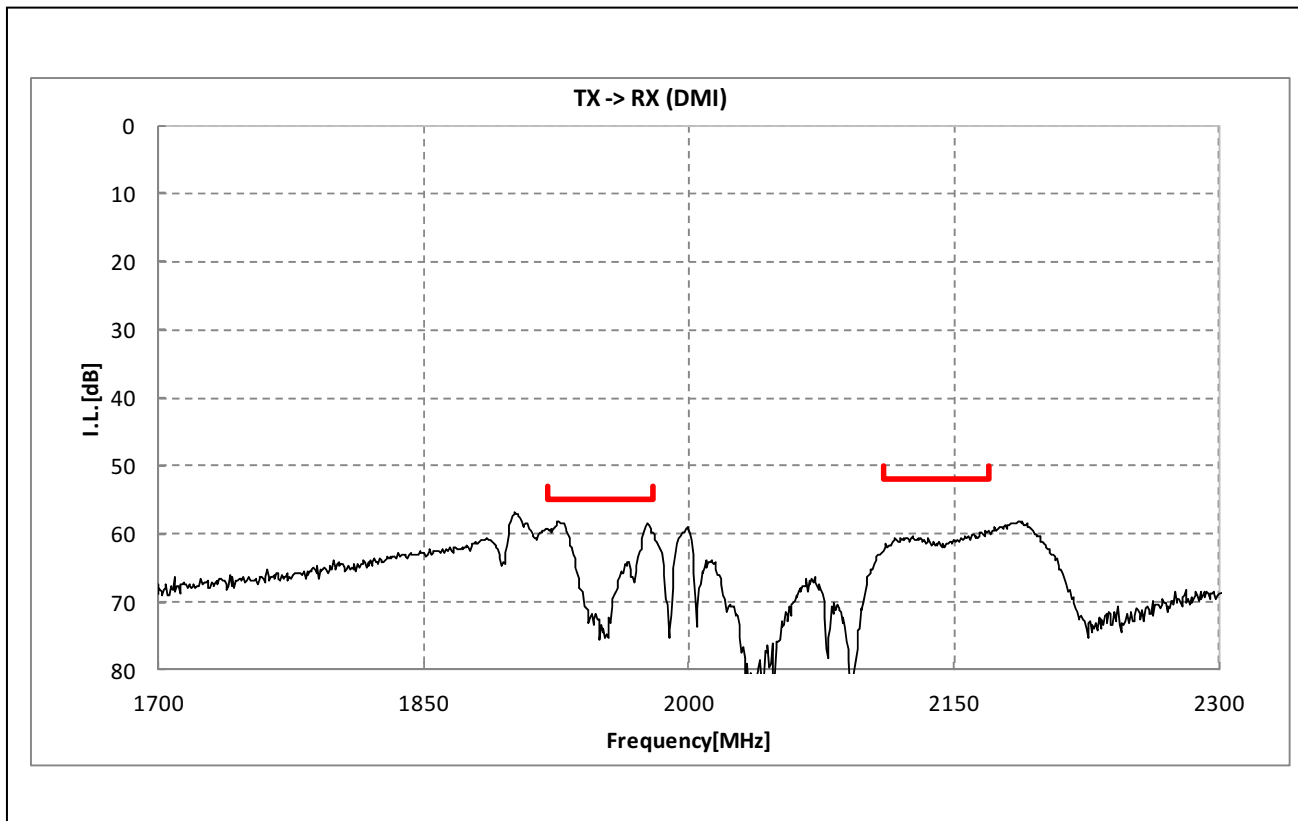
< ANT.→RX >



SAYEY1G95HA0F0A (Band1 / Balanced / LR / 1814)

Electrical Characteristic

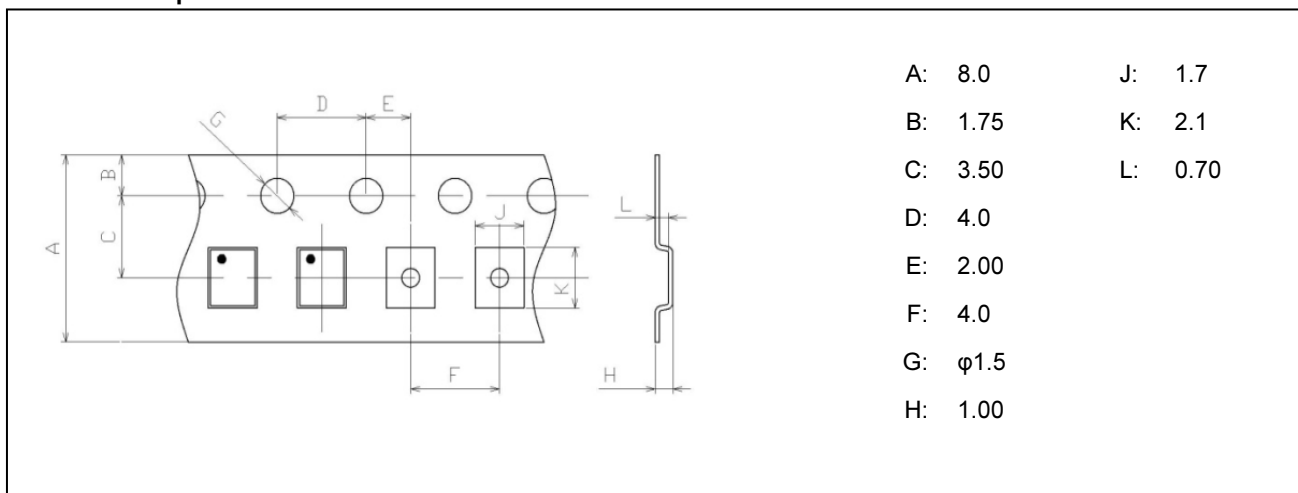
< TX→RX. >



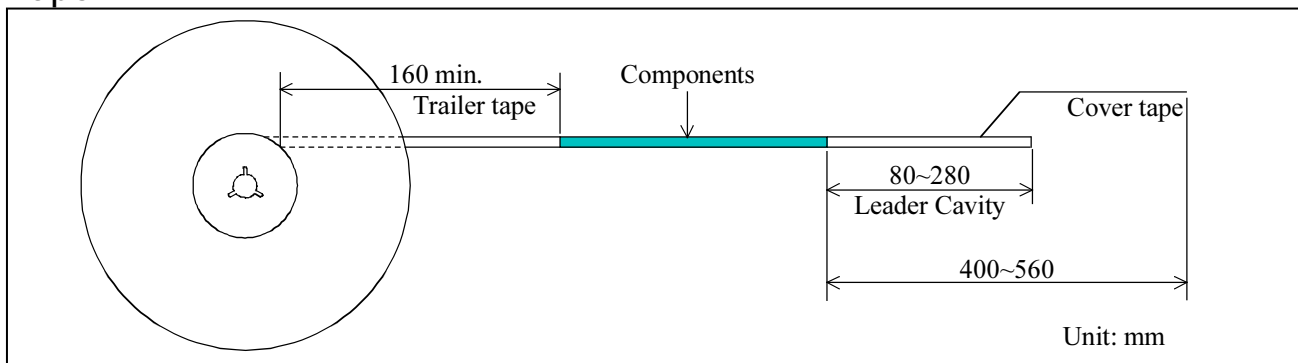
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Dimensions of Tape & Reel unit: mm

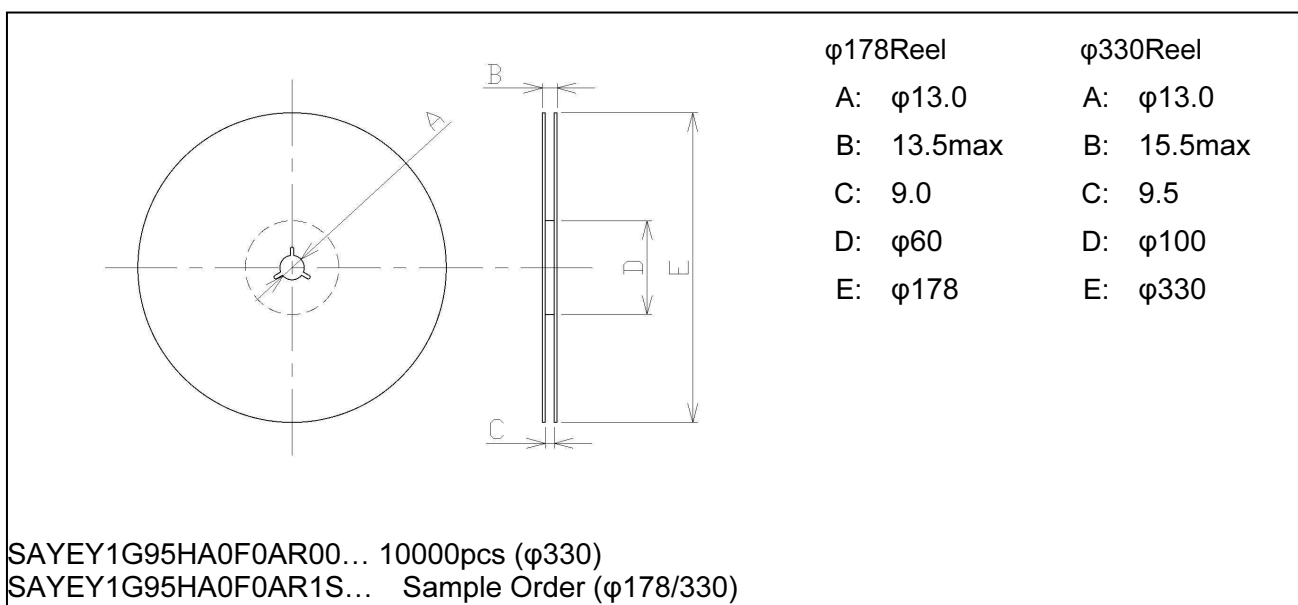
Carrier Tape



Tape



Reel



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Marking Code

Table A: Month Code

2013 2017 2021	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	A	B	C	D	E	F	G	H	J	K	L	M
2014 2018 2022	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015 2019 2023	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	a	b	c̄	d	e	f	g	h	j	k	l	m
2016 2020 2024	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	n	p	q	r	s	t	u	v	w	x	y	z

Table B: Date Code

date	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
code	A	B	C	D	E	F	G	H	J	K	
date	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	
code	L	M	N	P	Q	R	S	T	U	V	
date	21st	22nd	23rd	24th	25th	26th	27th	28th	29th	30th	31st
code	W	X	Y	Z	a	b	c̄	d	e	f	g

Important Notice (1/2)

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Important Notice (2/2)

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- Traffic signal equipment.
- Disaster prevention / crime prevention equipment.
- Burning / explosion control equipment
- Application of similar complexity and/ or reliability requirements to the applications listed in the above.

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[B0922J7575AHF](#) [10017-3](#) [TP-103-PIN](#) [BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#)