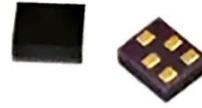


Data Sheet for SAW Components



Band25 Rx

Single Filter

Product ID: LAS1963A1D

Date: May 20, 2022

Revision: 1.0

Features

- ◆ Package Size : 1.1 x 0.9 x 0.5max mm
- ◆ Single-Ended Input and Output
- ◆ Terminating Impedance : 50 Ω
- ◆ Moisture Sensitivity Level 3
- ◆ ESD Sensitive Device

Electrical Specifications Band25 Rx Single Filter

Temperature Range for Specification : -20 to +85 °C

Ant to Rx	Min.	Typ.	Max.	Unit
Insertion Loss				
1930.6 - 1994.4 MHz	-	2.7	4.2	dB
1930.6 - 1994.4 MHz		2.7	3.2*	dB
Pass Band Ripple				
1930.6 - 1994.4 MHz	-	1.7	3.6	dB
VSWR Rx				
1930.6 - 1994.4 MHz	-	1.7	2.2	-
VSWR Ant				
1930.6 - 1994.4 MHz	-	1.7	2.2	-
Absolute Attenuation				
1 - 1850 MHz	30	43	-	dB
80 - 80 MHz	40	63	-	dB
699 - 716 MHz	35	44	-	dB
814 - 849 MHz	35	43	-	dB
1850 - 1914.4 MHz	38	42	-	dB
2055 - 2080 MHz	25	32	-	dB
2080 - 6000 MHz	25	33	-	dB
2400 - 2500 MHz	35	45	-	dB
4900 - 5950 MHz	28	33	-	dB
5790 - 5985 MHz	28	33	-	dB
7720 - 7980 MHz	20	29	-	dB

* Room temperature

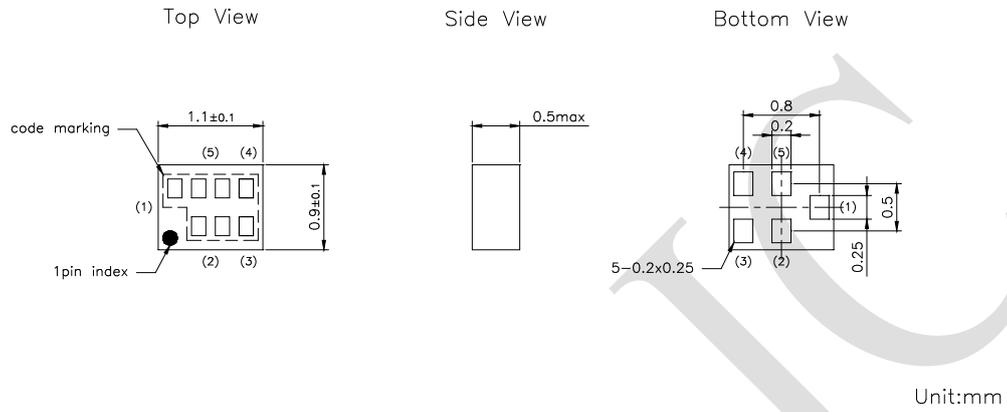
Maximum Ratings

Item	Rating	Condition / Remark
Storage Temperature	-40 to +85 °C	
DC Voltage	5 V	+25 °C
Input power	+15 dBm	LTE , +55 °C , 3000 h

Recommended Operating Conditions

Item	Rating	Condition / Remark
Operating Temperature, T _{CASE}	-20 to +85 °C	

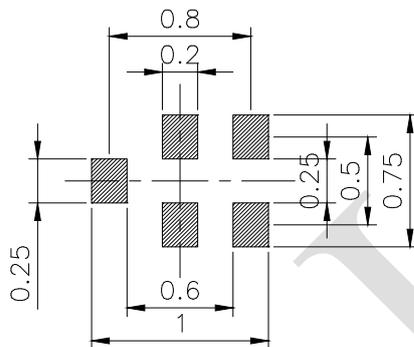
Package Information



Pin Configuration

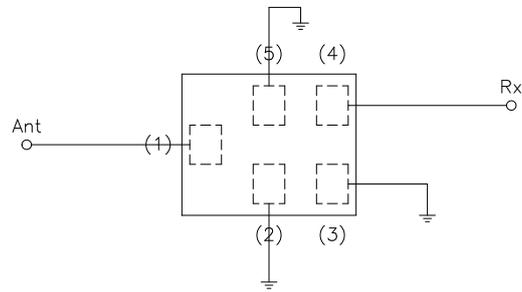
1	:	Ant
4	:	Rx
Other	:	GND

Land Pattern



Unit:mm

Application Circuit



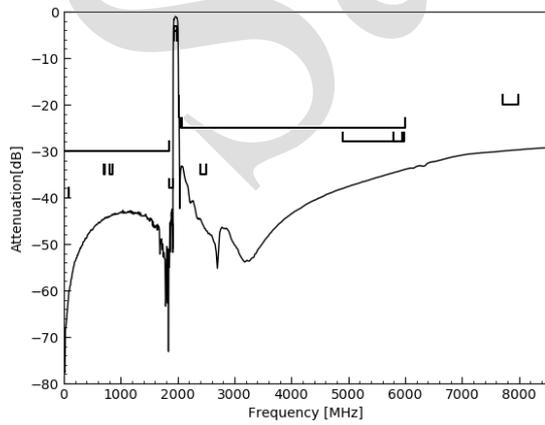
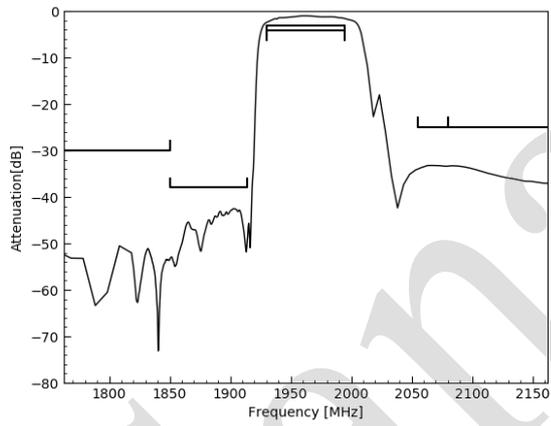
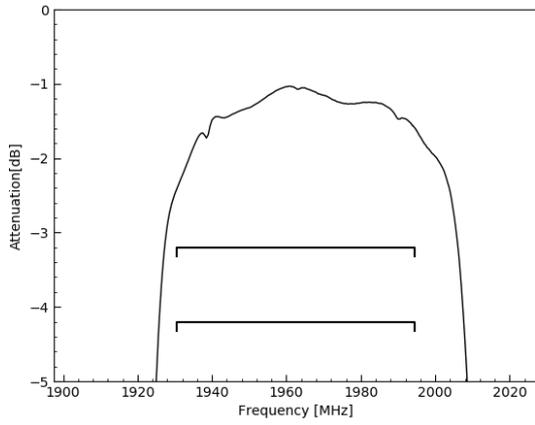
Port	Terminating Z	Matching Component
Ant	50 Ω	
Rx	50 Ω	

For ESD protection, external shunt inductor at all ports is recommended.

Electrical Characteristics

Band25 Rx Single Filter

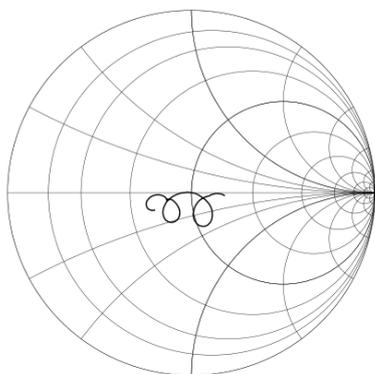
Ant to Rx



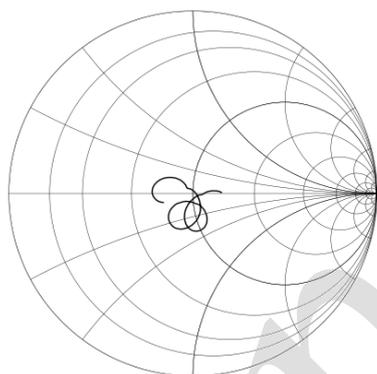
Electrical Characteristics

Band25 Rx Single Filter

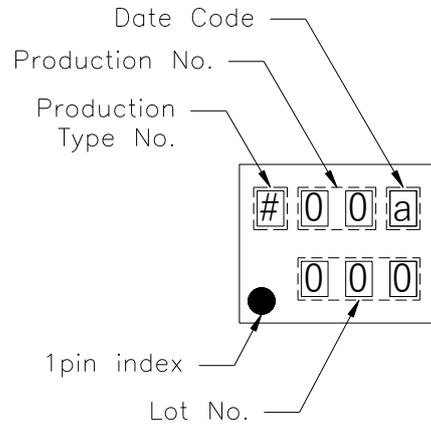
Ant Port Impedance



Rx Port Impedance



Marking Information



Production type No. (S: Sample, P: Production)

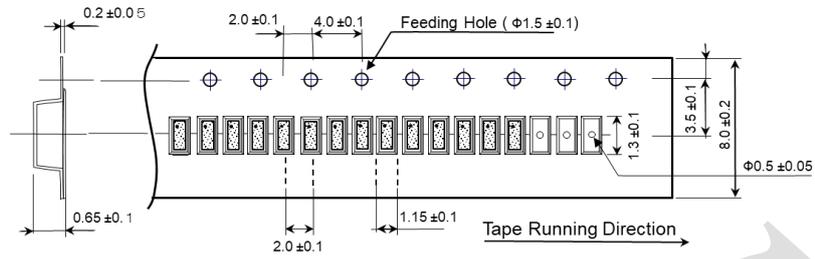
Product No. : 1D

Lot No. (Indicated by 0 ~ 9 or A to Z and a to z, except I, O, i, o and l)

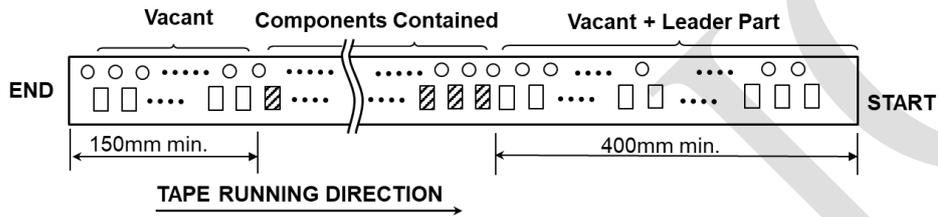
Product date code :

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2022	a	b	c	d	e	f	g	h	j	k	l	m
2023	n	p	q	r	s	t	u	v	w	x	y	z
2024	A	B	C	D	E	F	G	H	J	K	L	M
2025	N	P	Q	R	S	T	U	V	W	X	Y	Z

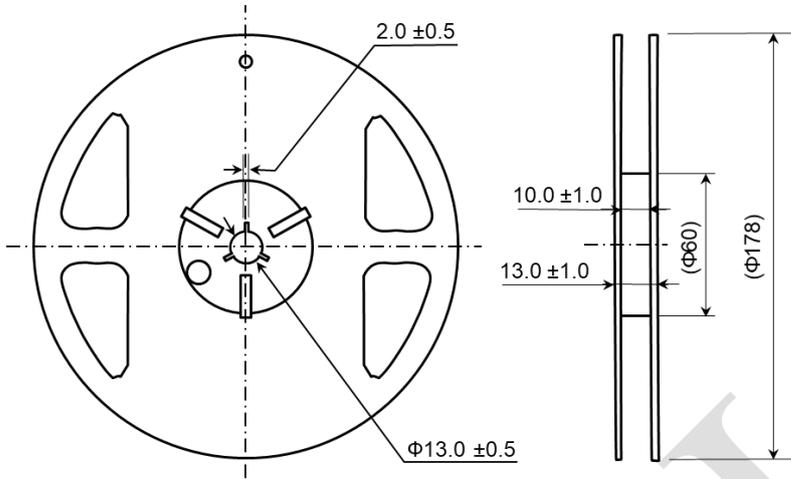
Tape Information



UNIT: mm



Reel Information



$\Phi 178$ Reel Dimension

UNIT: mm

Ordering Code

Part Number	Description
LAS1963A1D-SA	Bulk (few pieces)
LAS1963A1D-MB	Tape & Reel 3,000 pcs/reel
LAS1963A1D-MC	Tape & Reel 10,000 pcs/reel
LAS1963A1D-SZ	EVB

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Revision History

Revision	Date	Description
1.0	May 20, 2022	● Initial release
		●

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