

Data Sheet for SAW Components

Band2 Rx

Single Filter



Product ID: LAS1960A0W

Date: Mar. 30, 2021

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 Band2 Rx Single Filter

Temperature Range for Specification : -30 to +85 °C

Ant to Rx					Min.	Typ.	Max.	Unit
Insertion Loss								
	1930	-	1960	MHz	-	1.9	2.5	dB
Pass Band Ripple								
	1930	-	1990	MHz	-	0.8	1.8	dB
VSWR Rx								
	1930	-	1990	MHz	-	1.5	2.0	-
VSWR Ant								
	1930	-	1990	MHz	-	1.5	2.0	-
Absolute Attenuation								
	30	-	824	MHz	35	44	-	dB
	824	-	849	MHz	35	44	-	dB
	849	-	1850	MHz	35	43	-	dB
	1852.4	-	1907.6	MHz	38	44	-	dB
	2065	-	2150	MHz	30	34	-	dB
	2150	-	2400	MHz	30	37	-	dB
	2400	-	2500	MHz	35	45	-	dB
	2150	-	8000	MHz	25	30	-	dB

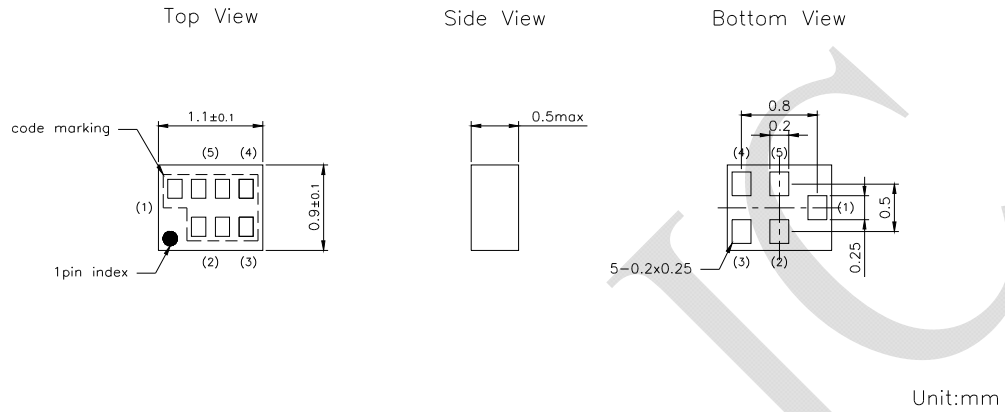
Maximum Ratings

Item	Rating	Condition / Remark
Storage Temperature	-40 to +85 °C	
DC Voltage	5 V	+25 °C
Input power	+15 dBm	LTE , +55 °C , 2000 h

Recommended Operating Conditions

Item	Rating	Condition / Remark
Operating Temperature, T _{CASE}	-30 to +85 °C	

Package Information



Pin Configuration

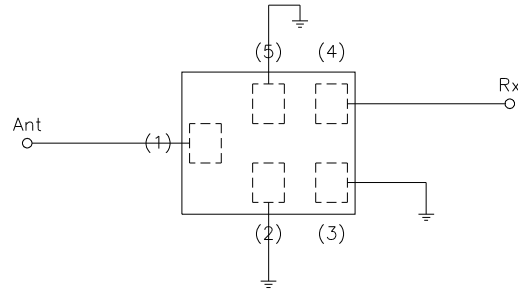
1 : Ant
 4 : Rx
 Other : GND

Technical drawing of a mechanical part with the following dimensions:

- Overall width: 1
- Overall height: 0.75
- Distance from left edge to first hole center: 0.25
- Distance between hole centers: 0.6
- Distance from right edge to last hole center: 0.25
- Hole diameter: 0.2
- Distance from top edge to first hole center: 0.8
- Distance between hole centers: 0.2
- Distance from bottom edge to last hole center: 0.25

Unit:mm

Application Circuit



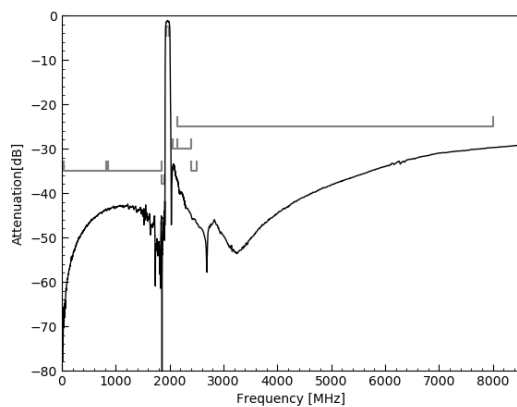
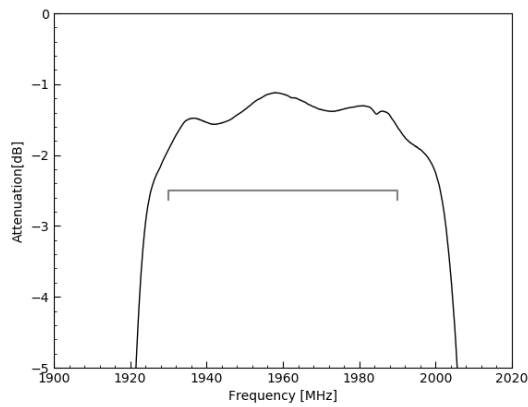
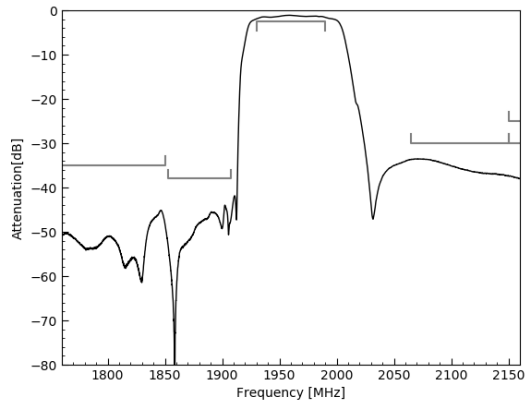
Port	Terminating Z	Matching Component
Ant	50 Ω	
Rx	50 Ω	

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

Electrical Characteristics

Band2 Rx Single Filter

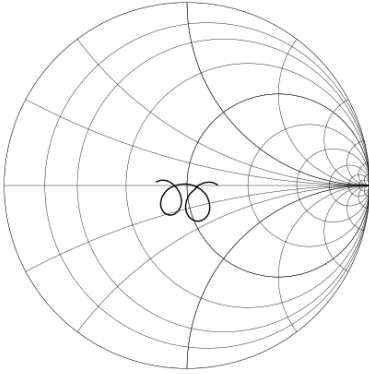
Ant to Rx



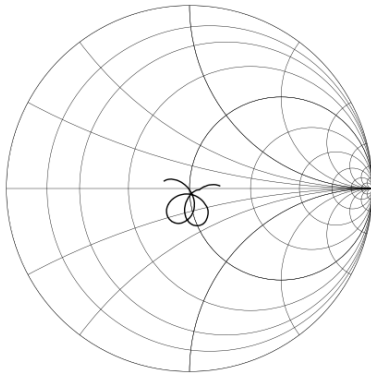
Electrical Characteristics

Band2 Rx Single Filter

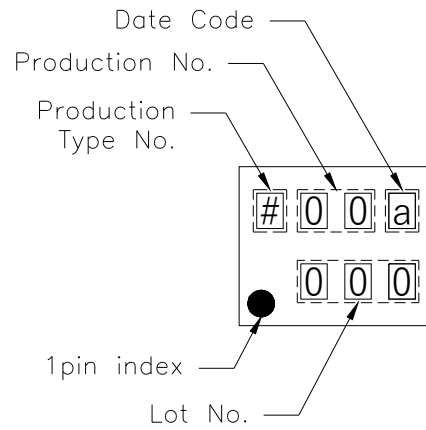
Ant Port Impedance



Rx Port Impedance



Marking Information



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

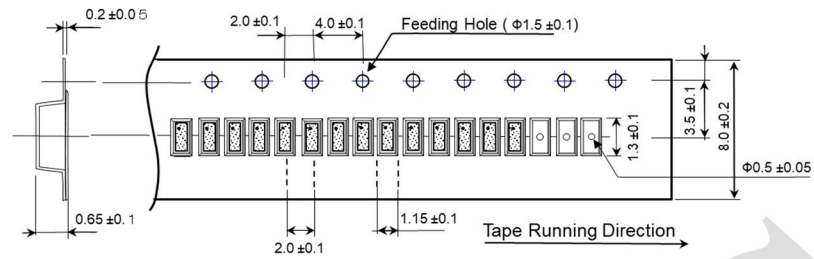
Product No. : 0W

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

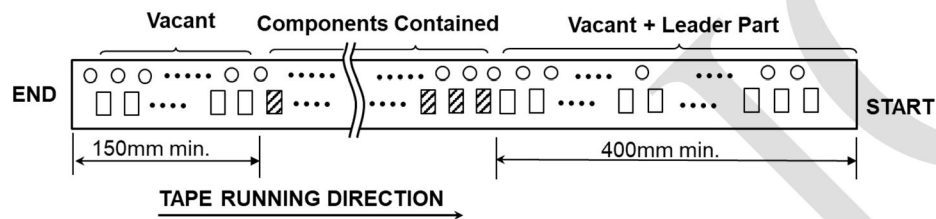
Product date code :

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2021	N	P	Q	R	S	T	U	V	W	X	Y	Z
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

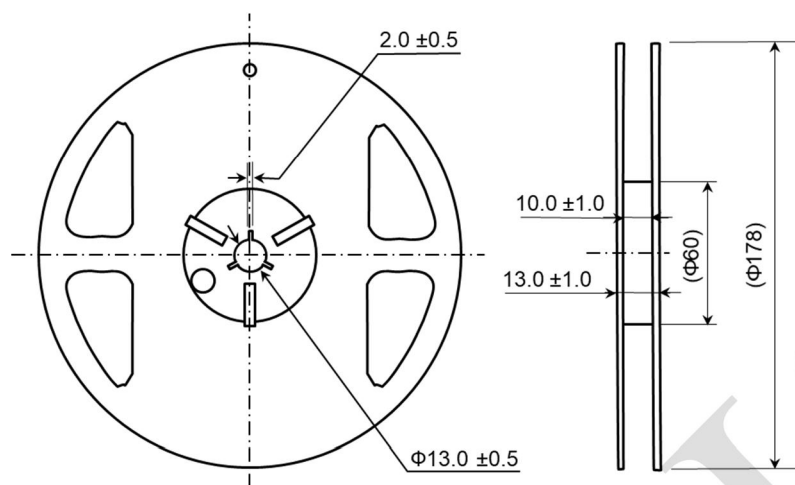
Tape Information



UNIT: mm



Reel Information



$\Phi 178$ Reel Dimension

UNIT: mm

Ordering Code

Part Number	Description
LAS1960A0W-SA	Bulk (few pieces)
LAS1960A0W-MB	Tape & Reel 3,000 pcs/reel
LAS1960A0W-MC	Tape & Reel 10,000 pcs/reel
LAS1960A0W-SZ	EVB

Revision History

Revision	Date	Description
1.0	Mar. 30, 2021	● Initial release

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