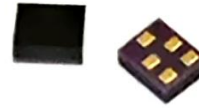


Data Sheet for

SAW Components

Band 40 Rx

Single Filter



Product ID: LAS2350A11

Date: May 17, 2022

Revision: 1.1

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 Band 40 Rx Single Filter

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

Ant to Rx					Min.	Typ.	Max.	Unit
Insertion Loss								
	2300	-	2400	MHz	-	1.8	2.5	dB
	2300	-	2400	MHz	-	1.8	2.0 ^{*1}	dB
Pass Band Ripple								
	2300	-	2400	MHz	-	0.9	2.0	dB
VSWR Ant								
	2300	-	2400	MHz	-	1.3	1.9	-
VSWR Rx								
	2300	-	2400	MHz	-	1.3	1.9	-
Absolute Attenuation								
	1559	-	1563	MHz	22	30	-	dB
	1565	-	1573	MHz	22	30	-	dB
	1573	-	1577	MHz	22	30	-	dB
	1577	-	1585	MHz	22	30	-	dB
	1598	-	1606	MHz	22	29	-	dB
	2443	-	2481	MHz	30	43	-	dB
	2496	-	2690	MHz	25	28	-	dB
	4600	-	4800	MHz	27	36	-	dB
	5725	-	5825	MHz	30	43	-	dB
	6900	-	7200	MHz	27	35	-	dB

*1: +23 to +27°C

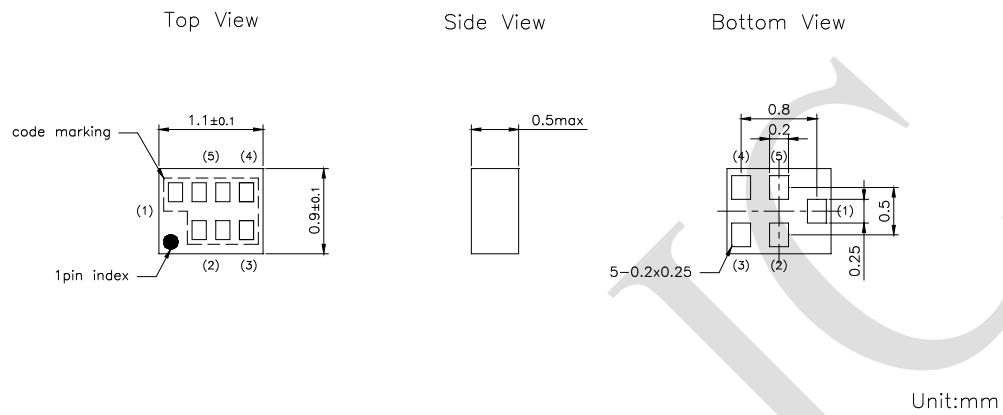
Maximum Ratings

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}	-30 to +85 °C	

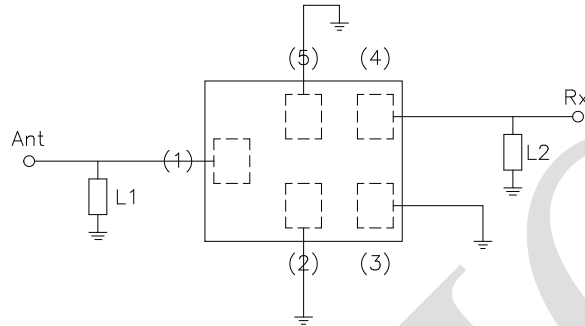
Package Information



Pin Configuration

1	:	Ant
4	:	Rx
Other	:	GND

Application Circuit



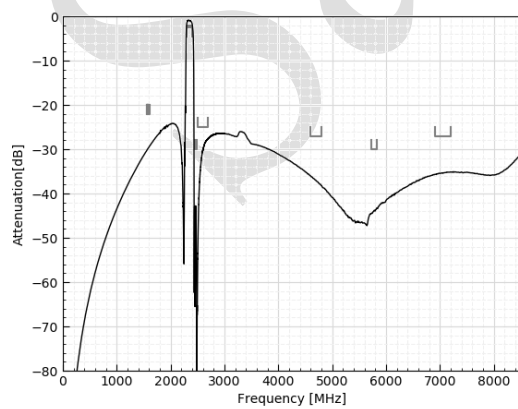
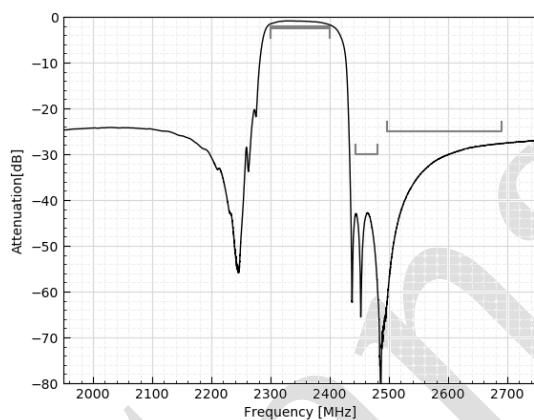
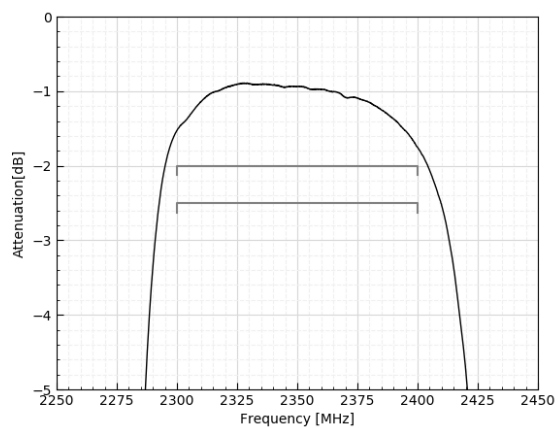
Port	Terminating Z	Matching Component
Ant	50 Ω	L1 : 3.3nH (Ideal inductor)
Rx	50 Ω	L2 : 3.5nH (Ideal inductor)

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

Electrical Characteristics

Band 40 Rx Single Filter

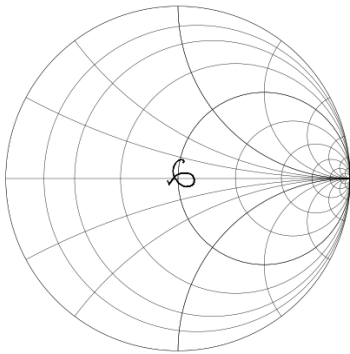
Ant to Rx



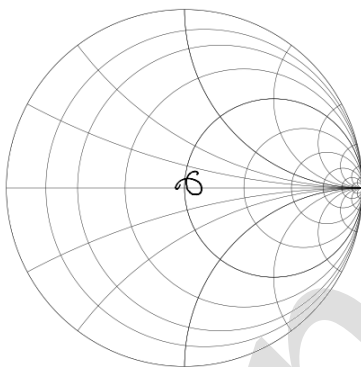
Electrical Characteristics

Band 40 Rx Single Filter

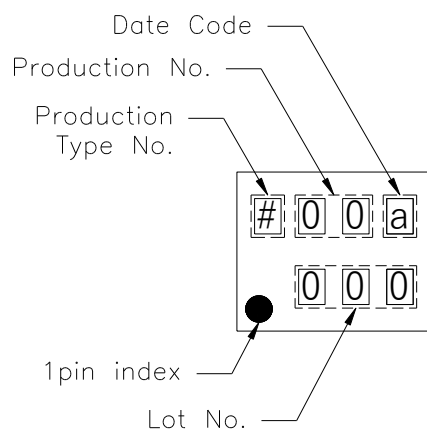
Ant Port Impedance



Rx Port Impedance



Marking Information



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

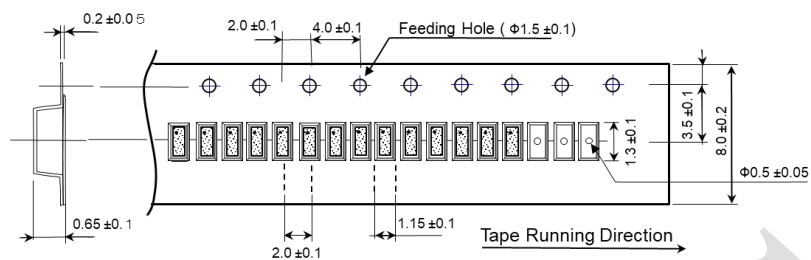
Product No. : 11

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

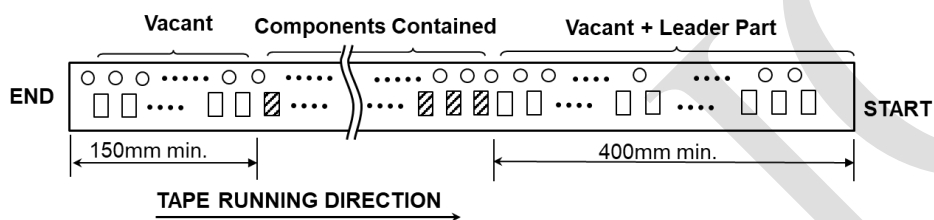
Product date code :

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

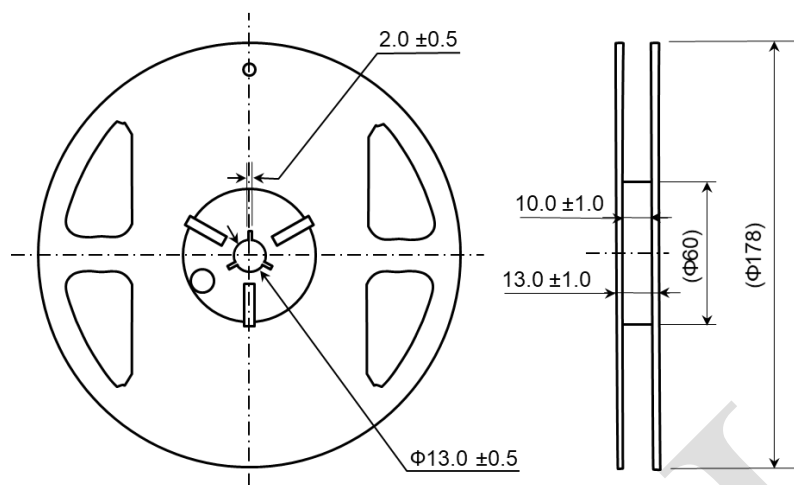
Tape Information



UNIT: mm



Reel Information



$\Phi 178$ Reel Dimension

UNIT: mm

Ordering Code

Part Number	Description
LAS2350A11-SA	Bulk (few pieces)
LAS2350A11-MB	Tape & Reel 3,000 pcs/reel
LAS2350A11-MC	Tape & Reel 10,000 pcs/reel
LAS2350A11-SZ	EVB

Revision History

Revision	Date	Description
1.0	Oct. 19, 2021	● Initial release
1.1	May 17, 2022	● MP

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