

# Data Sheet for SAW Components

Band7 Rx

Single Filter



Product ID: LAS2655A0Y

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  $\Omega$
- ◆ Moisture Sensitivity Level 3
- ◆ ESD Sensitive Device

## Electrical Specifications      Band7 Rx Single Filter

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

Ant to Rx					Min.	Typ.	Max.	Unit
Insertion Loss								
	2620	-	2690	MHz	-	2.0	2.3	dB
Pass Band Ripple								
	2620	-	2690	MHz	-	0.7	1.3	dB
VSWR Rx								
	2620	-	2690	MHz	-	1.7	2.2	-
VSWR Ant								
	2620	-	2690	MHz	-	1.8	2.2	-
Absolute Attenuation								
	1	-	2500	MHz	36	40	-	dB
	45	-	45	MHz	45	66	-	dB
	832	-	862	MHz	38	41	-	dB
	1710	-	1785	MHz	37	40	-	dB
	1920	-	1980	MHz	39	43	-	dB
	2400	-	2500	MHz	39	46	-	dB
	2500	-	2570	MHz	39	42	-	dB
	2570	-	2600	MHz	1.9	4.5	-	dB
	2775	-	6000	MHz	27	32	-	dB
	4900	-	5950	MHz	27	32	-	dB
	7620	-	7830	MHz	20	27	-	dB
	7860	-	8070	MHz	20	27	-	dB

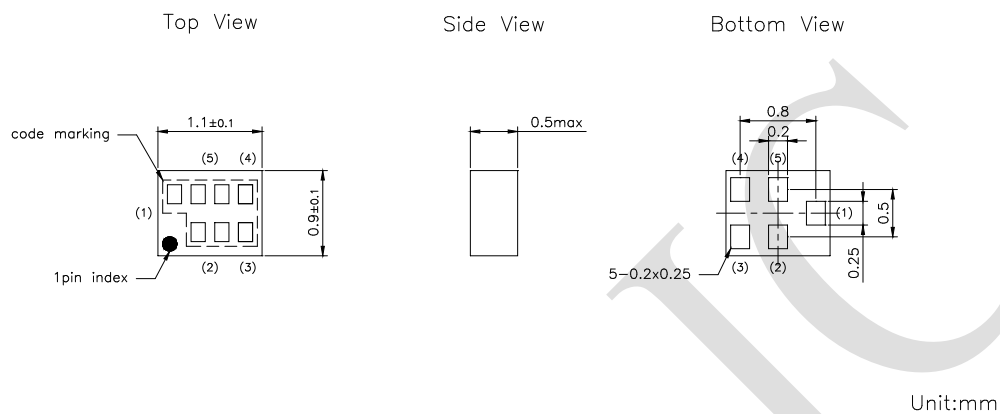
### Maximum Ratings

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

### Recommended Operating Conditions

Item	Rating	Condition / Remark
Operating Temperature, T <sub>CASE</sub>	-30 to +85 °C	

## Package Information

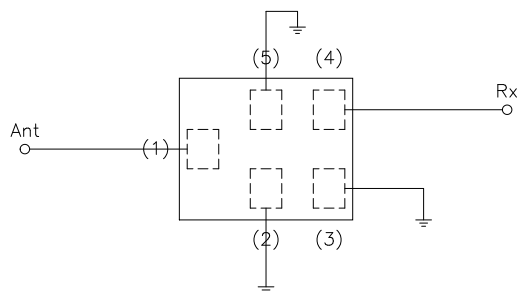


### Pin Configuration

1 : Ant  
 4 : Rx  
 Other : GND



## Application Circuit



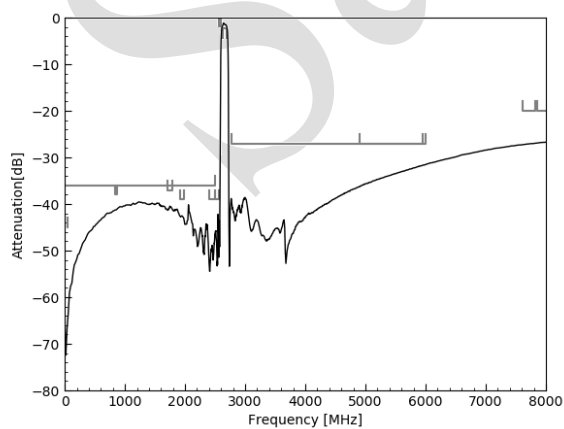
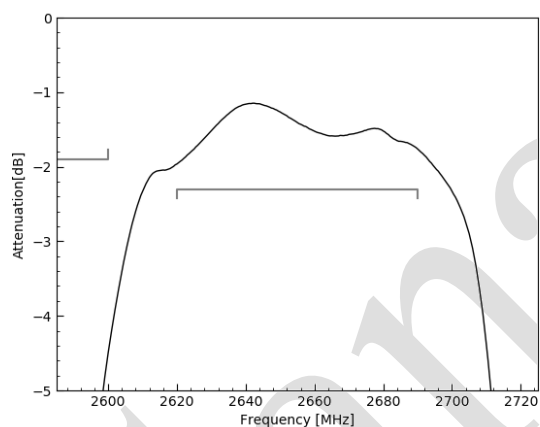
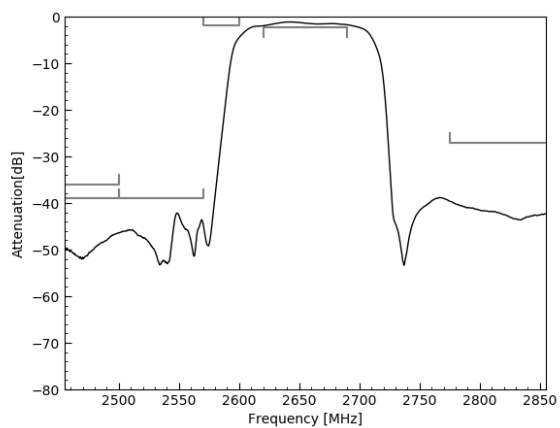
Port	Terminating Z	Matching Component		
Ant	50 $\Omega$			
Rx	50 $\Omega$			

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

Electrical Characteristics

Band7 Rx Single Filter

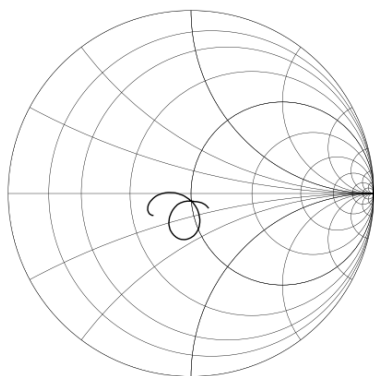
Ant to Rx



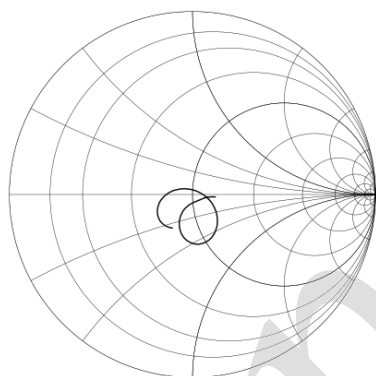
Electrical Characteristics

Band7 Rx Single Filter

Ant Port Impedance

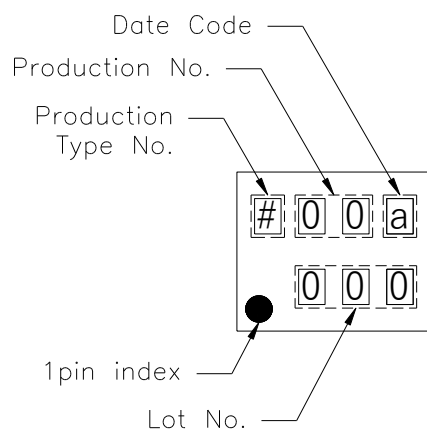


Rx Port Impedance





## Marking Information



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

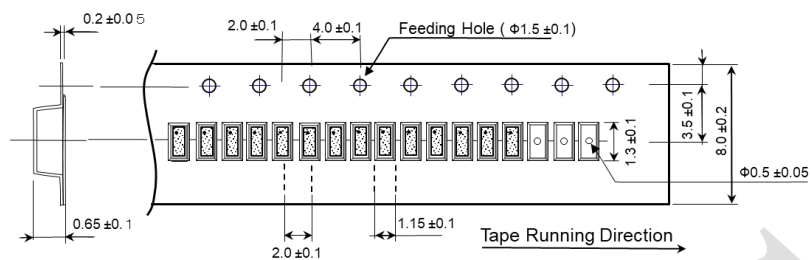
Product No. : 0Y

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

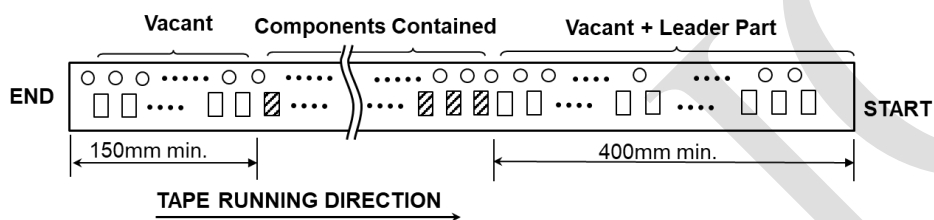
Product date code :

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

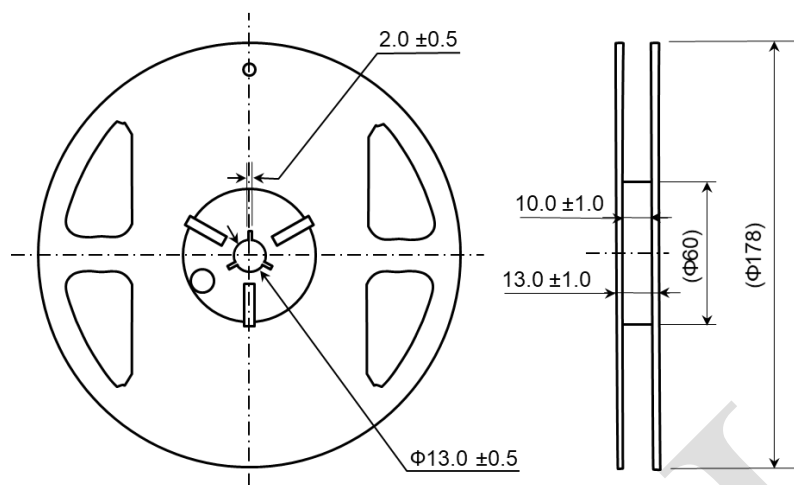
## Tape Information



UNIT: mm



## Reel Information



$\Phi 178$  Reel Dimension

UNIT: mm

**Ordering Code**

Part Number	Description
LAS2655A0Y-SA	Bulk (few pieces)
LAS2655A0Y-MB	Tape & Reel 3,000 pcs/reel
LAS2655A0Y-MC	Tape & Reel 10,000 pcs/reel
LAS2655A0Y-SZ	EVB

Sanan-IC

### Revision History

Revision	Date	Description
1.0	Oct. 21, 2021	● Initial release
1.1	May 17, 2022	● MP

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