

Data Sheet for

SAW Components

Band 5 Rx

Single Filter



Product ID: LAS0882A17

Date: May. 10, 2021

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 Band5 Rx

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

Ant to Rx		Min.	Typ.	Max.	Unit
Insertion Loss					
	869 - 894 MHz	-	1.2	1.6	dB
Pass Band Ripple					
	869 - 894 MHz	-	0.4	1.0	dB
VSWR					
	869 - 894 MHz	-	1.7	2.0	
Absolute Attenuation					
	1 - 824 MHz	40	56	-	dB
	45 MHz	50	73	-	dB
	779 - 804 MHz	46	56	-	dB
	824 - 849 MHz	45	52	-	dB
	846.5 - 854 MHz	28	37	-	dB
	1693 - 1788 MHz	40	52	-	dB
	1710 - 1785 MHz	40	52	-	dB
	2400 - 2500 MHz	33	45	-	dB
	2607 - 2682 MHz	33	44	-	dB
	3476 - 3576 MHz	30	40	-	dB
	4345 - 4470 MHz	30	37	-	dB
	4900 - 5950 MHz	25	34	-	dB
	5214 - 5364 MHz	25	35	-	dB
	5725 - 5875 MHz	25	34	-	dB
	6083 - 6258 MHz	20	33	-	dB
	6952 - 7152 MHz	20	32	-	dB
	7821 - 8046 MHz	15	32	-	dB

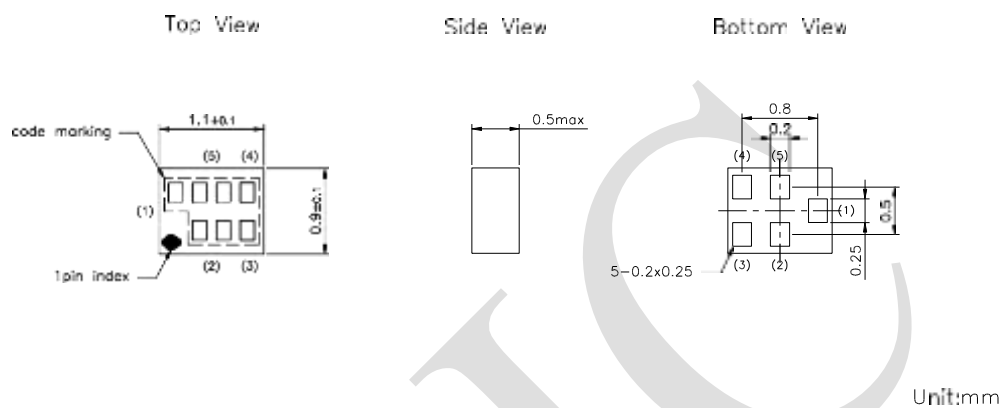
Maximum Ratings

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	

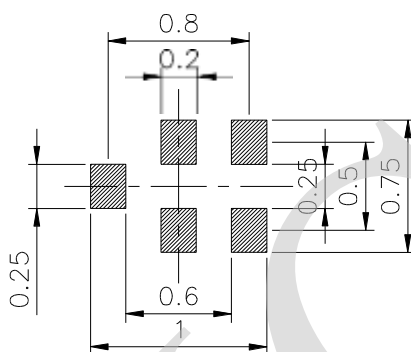
Package Information



Pin Configuration

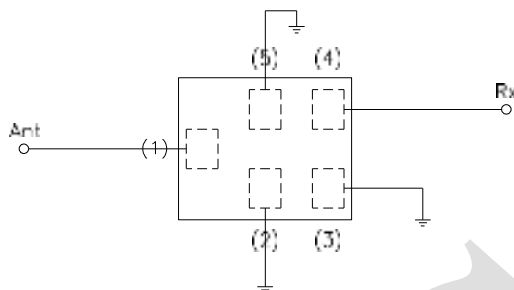
1 : Ant
4 : Rx
Other : GND

Land Pattern



Unit:mm

Application Circuit



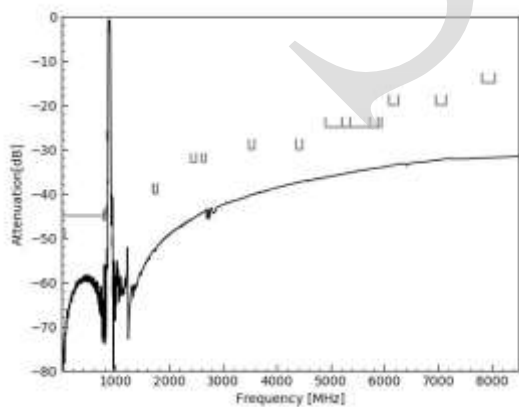
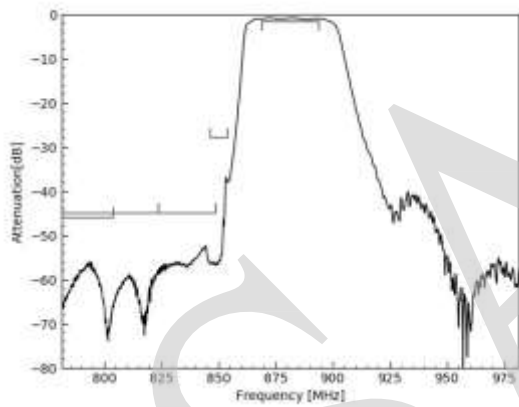
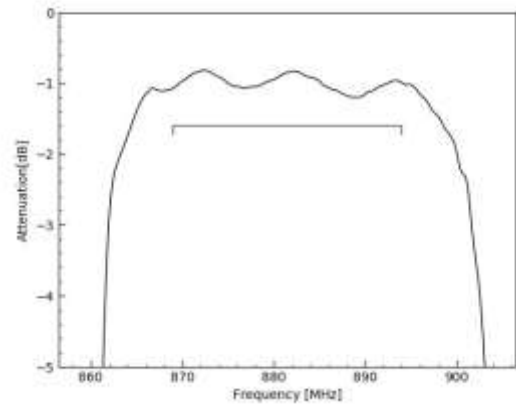
Port	Terminating Z	Matching Component	
Ant	50 Ω		
Rx	50 Ω		

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

Electrical Characteristics

Band5 Rx

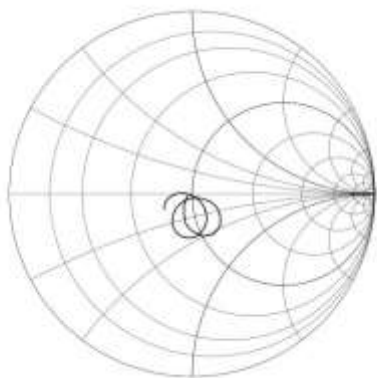
Ant to Rx



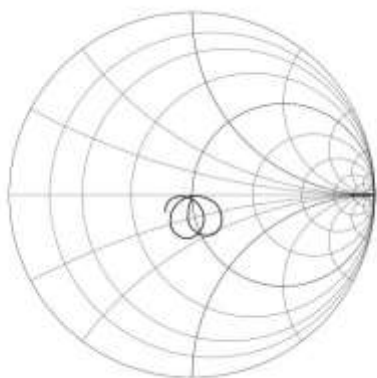
Electrical Characteristics

Band5 Rx

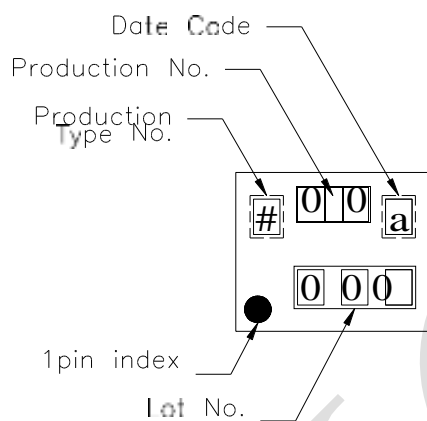
Ant Port Impedance



Rx Port Impedance



Marking Information



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

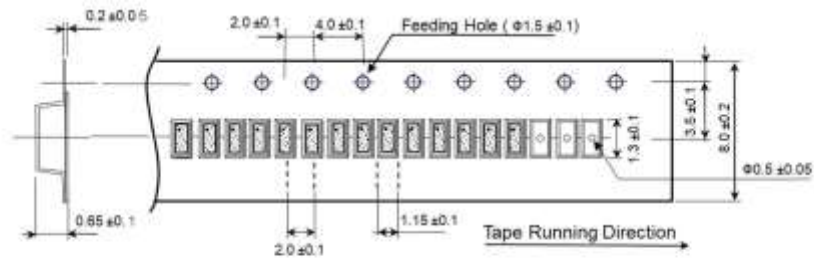
Product No. : 17

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

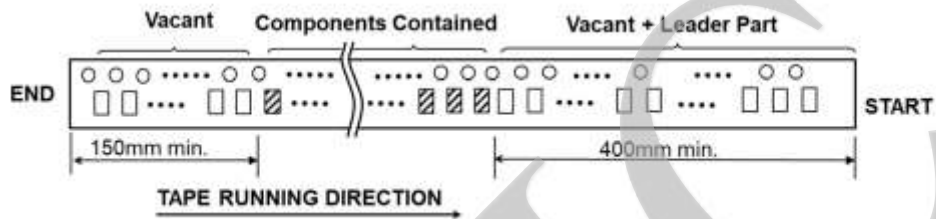
Product datecode:

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	A	B	C	D	E	F	G	H	J	K	L	M
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

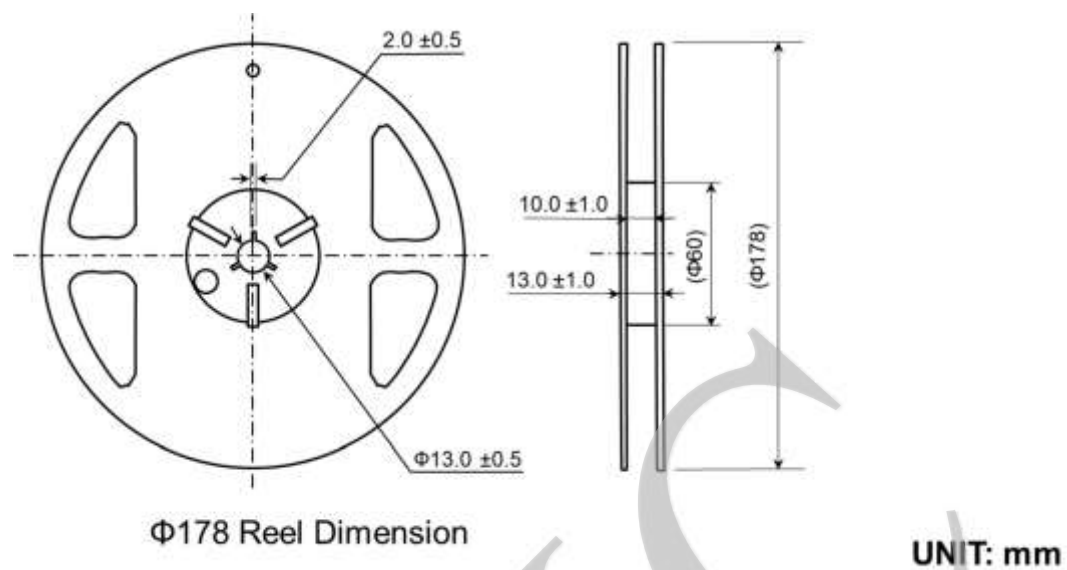
Tape Information



UNIT: mm



Reel Information



Ordering Code

Part Number	Description
LAS0882A17-SA	Bulk (few pieces)
LAS0882A17-MB	Tape & Reel 3,000 pcs/reel
LAS0882A17-MC	Tape & Reel 10,000 pcs/reel
LAS0882A17-SZ	EVB

Revision History

Revision	Date	Description
1.0	Dec. 31, 2020	<input type="checkbox"/> Initial Release
1.1	May. 10, 2021	<input type="checkbox"/> Update Ordering code

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