

Data Sheet for SAW Components

Band 8 Rx

Single Filter



Product ID: LAS0943A15

Date: Mar. 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

Band8 Rx

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

Ant to Rx			Min.	Typ.	Max.	Unit
Insertion Loss						
	925 – 960	MHz	–	1.9	2.8	dB
Pass Band Ripple						
	925 – 960	MHz	–	0.9	2.1	dB
VSWR						
	925 – 960	MHz	–	1.9	2.2	
Absolute Attenuation						
	1 – 880	MHz	40	44	–	dB
	45	MHz	50	63	–	dB
	835 – 870	MHz	40	48	–	dB
	880.25 – 914.75	MHz	44	50	–	dB
	902.5 – 910	MHz	44	54	–	dB
	1710 – 1785	MHz	40	51	–	dB
	1805 – 1920	MHz	40	53	–	dB
	1920 – 1980	MHz	40	54	–	dB
	2400 – 2500	MHz	40	50	–	dB
	2685 – 2790	MHz	37	47	–	dB
	2775 – 2880	MHz	37	46	–	dB
	3700 – 3840	MHz	35	42	–	dB
	4625 – 4800	MHz	35	42	–	dB
	4900 – 5950	MHz	27	38	–	dB
	5550 – 5725	MHz	30	42	–	dB
	6475 – 6720	MHz	20	37	–	dB
	7400 – 7680	MHz	10	23	–	dB

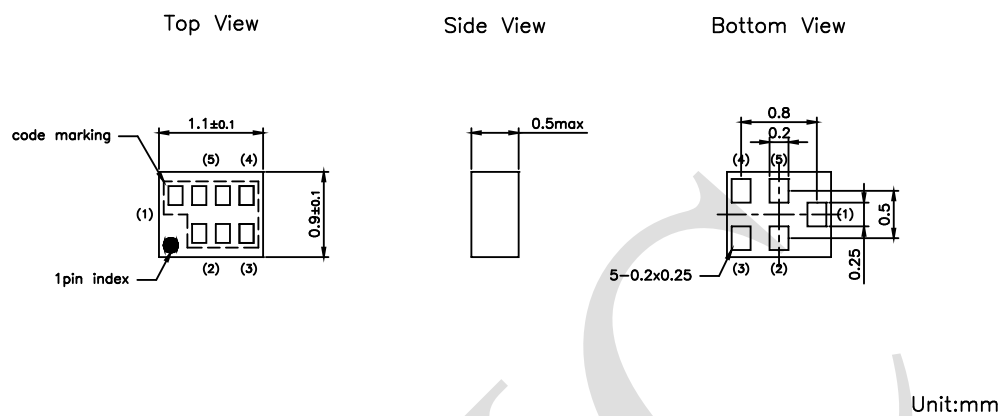
Maximum Ratings

Item	Rating	Condition / Remark
Storage Temperature	-40 to +85 ° C	
DC Voltage	0 V	
Input Power	+15 dBm	CW , +55 ° C , 2000 h

Recommended Operating Conditions

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

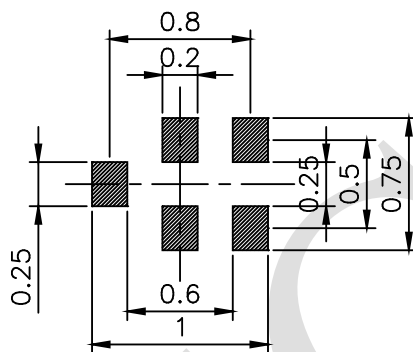
Package Information



Pin Configuration

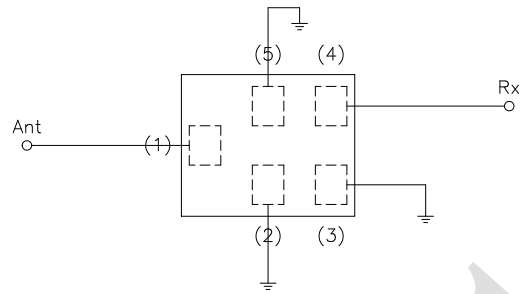
1 : Ant
 4 : Rx
 Other : GND

Land Pattern



Unit:mm

Application Circuit



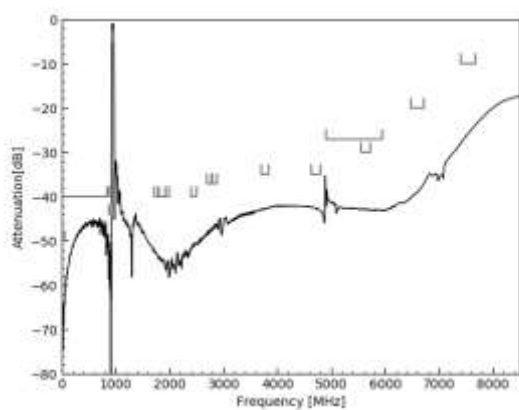
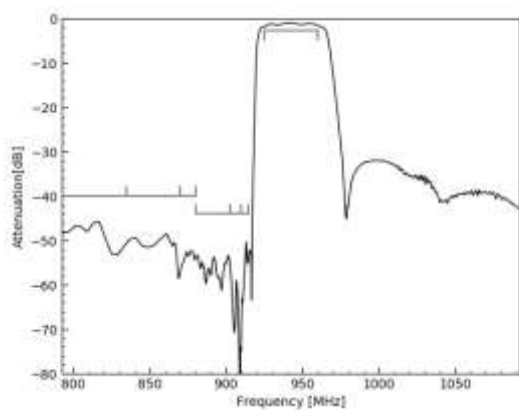
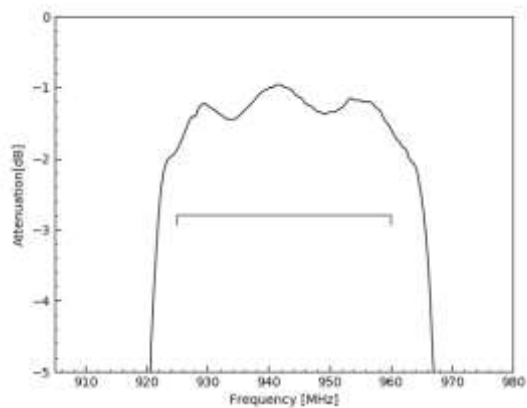
Port	Terminating Z	Matching Component
Ant	50 Ω	
Rx	50 Ω	

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

Electrical Characteristics

Band8 Rx

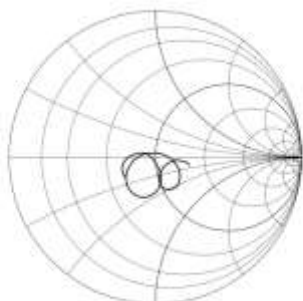
Ant to Rx



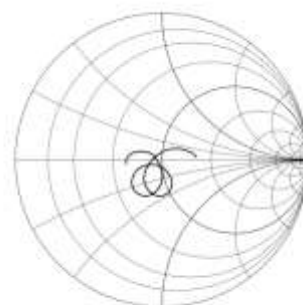
Electrical Characteristics

Band8 Rx

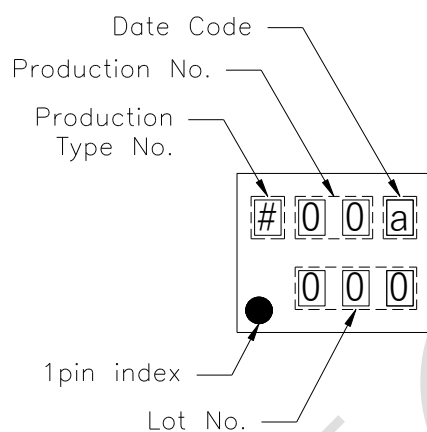
Ant Port Impedance



Rx Port Impedance



Marking Information



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

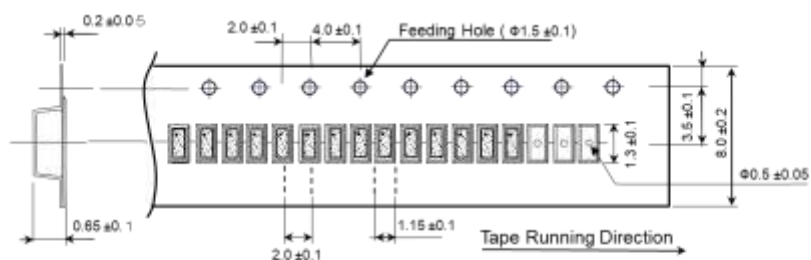
Product No. : 15

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

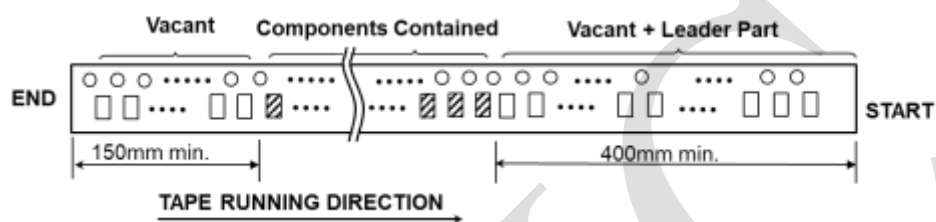
Product date code :

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	a	b	c	d	e	f	g	h	j	k	l	m
2019	n	p	q	r	s	t	u	v	w	x	y	z
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

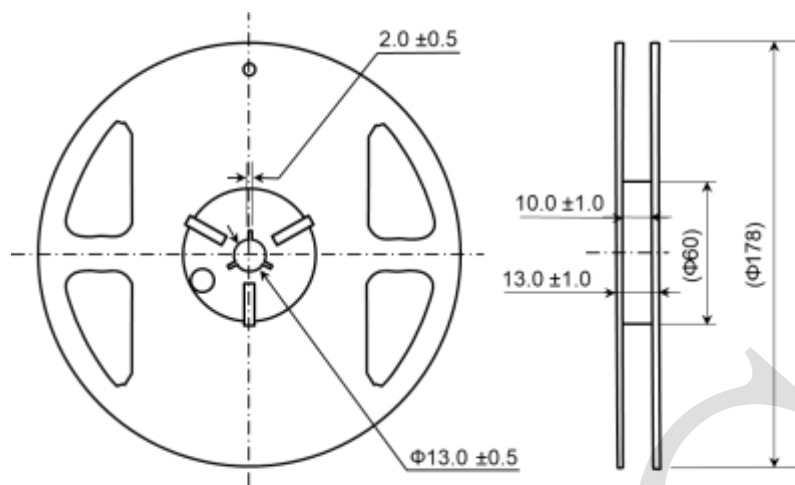
Tape Information



UNIT: mm



Reel Information



Φ178 Reel Dimension

UNIT: mm

Ordering Code

Part Number	Description
LAS0943A-SA	Bulk (few pieces)
LAS0943A-MB	Tape & Reel 3,000 pcs/reel
LAS0943A-MC	Tape & Reel 10,000 pcs/reel
LAS0943A-SZ	EVB

Revision History

Revision	Date	Description
1.0	Mar. 01, 2021	● Initial Release
1.1	Mar. 10, 2021	● Updated “Electrical Specifications”, “Electrical Characteristics”.

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