

Data Sheet for

SAW Components

Band 26 Rx

Single Filter



Product ID: LAS0877A16

Date: Aug. 23, 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 Band 26 Rx Single Filter

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

Ant to Rx					Min.	Typ.	Max.	Unit
Insertion Loss								
	859	-	894	MHz	-	1.7	3.0	dB
	859	-	894	MHz	-	1.7	2.3 ^{*1}	dB
	869	-	894	MHz	-	1.7	2.8	dB
Pass Band Ripple								
	859	-	894	MHz	-	0.9	2.0	dB
VSWR								
	859	-	894	MHz	-	1.9	2.2	-
Absolute Attenuation								
	1	-	447	MHz	40	45	-	dB
			45	MHz	50	62	-	dB
	814	-	849	MHz	41	49	-	dB
	849	-	854	MHz	3.0	14	-	dB
	849	-	854	MHz	5.0 ^{*1}	14	-	dB
	909	-	979	MHz	25	31	-	dB
	979	-	6000	MHz	26	35	-	dB
	1710	-	1785	MHz	40	51	-	dB
	1850	-	1915	MHz	40	53	-	dB
	1920	-	1980	MHz	40	54	-	dB
	2400	-	2500	MHz	35	55	-	dB
	2577	-	2682	MHz	35	52	-	dB
	4900	-	5950	MHz	30	35	-	dB
	6013	-	6258	MHz	20	32	-	dB

*1: +23 to +27 °C

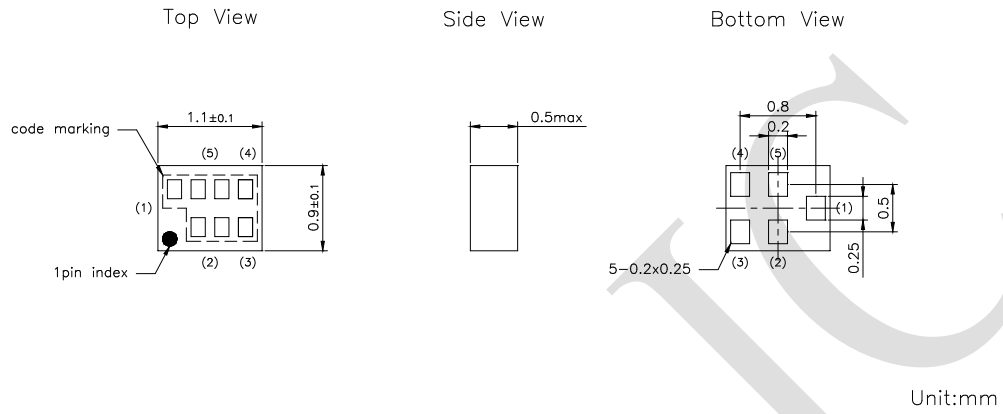
Maximum Ratings

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

Recommended Operating Conditions

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

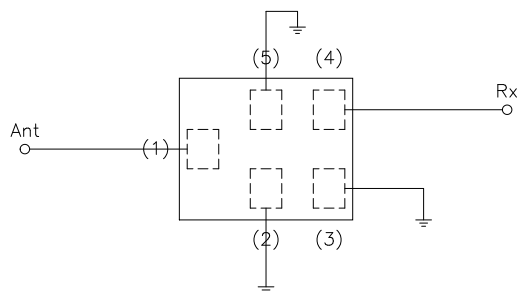
Package Information



Pin Configuration

1	:	Ant
4	:	Rx
Other	:	GND

Application Circuit



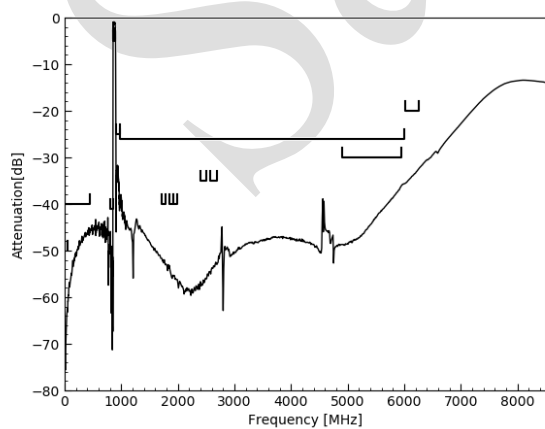
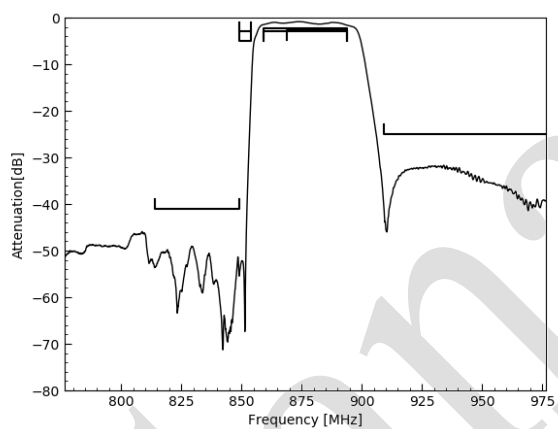
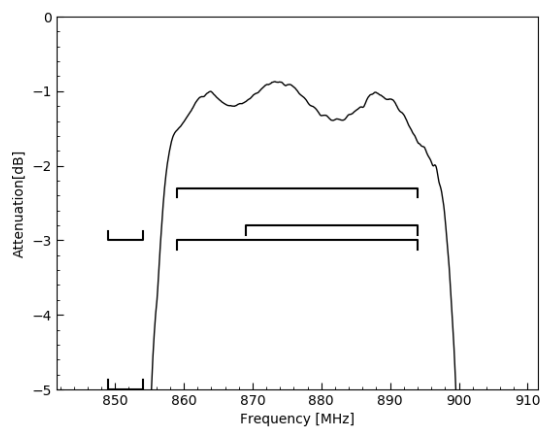
Port	Terminating Z	Matching Component
Ant	50 Ω	
Rx	50 Ω	

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

Electrical Characteristics

Band 26 Rx Single Filter

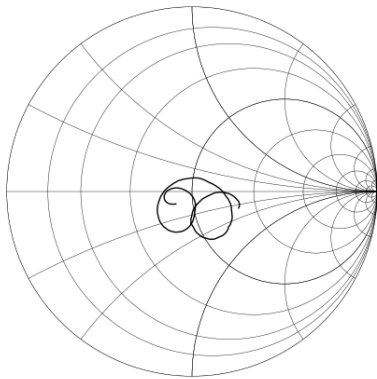
Ant to Rx



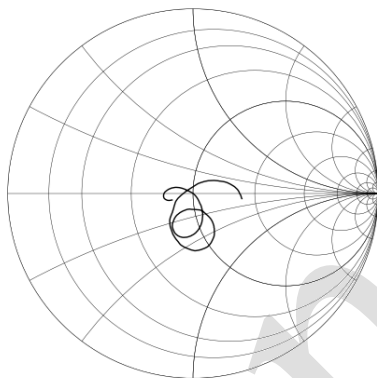
Electrical Characteristics

Band 26 Rx Single Filter

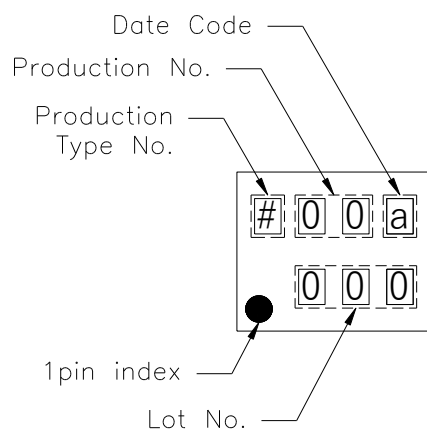
Ant Port Impedance



Rx Port Impedance



Marking Information



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

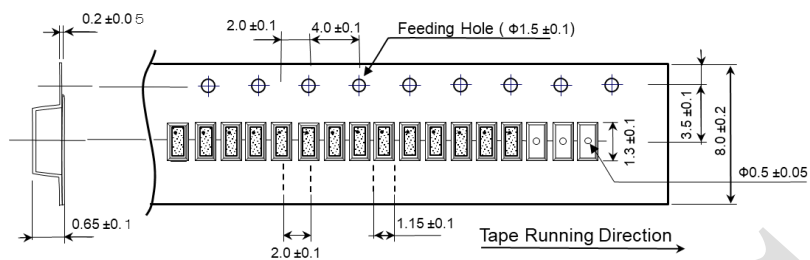
Product No. : 16

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

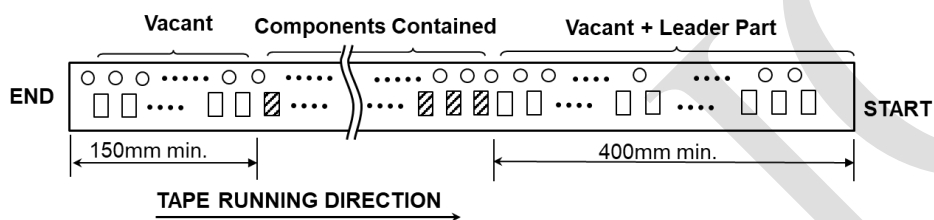
Product date code :

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

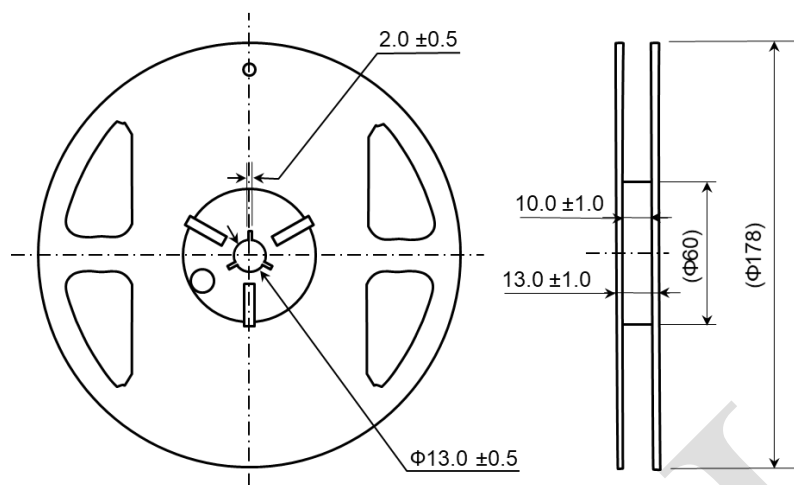
Tape Information



UNIT: mm



Reel Information



$\Phi 178$ Reel Dimension

UNIT: mm

Ordering Code

Part Number	Description
LAS0877A16-SA	Bulk (few pieces)
LAS0877A16-MB	Tape & Reel 3,000 pcs/reel
LAS0877A16-MC	Tape & Reel 10,000 pcs/reel
LAS0877A16-SZ	EVB

Revision History

Revision	Date	Description
1.0	Mar. 30, 2021	● Initial release
1.1	Aug. 23, 2021	● Updated general information

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