



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet


Product Description: SAW Rx Filter 1960MHz LTE Band 2 SMD 1411

TST Part No.: TA1817B (This part is compliant with AEC-Q200)

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Bob Chau 

Date: _____ 2017/07/06

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the change



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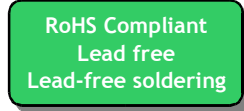
SAW Rx Filter 1960MHz LTE Band 2 SMD 1411 (58.8MHz BW)

MODEL NO.: TA1817B

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40 °C to +85 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 1
6. ESD 50V(MM) 100V(HBM)



Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

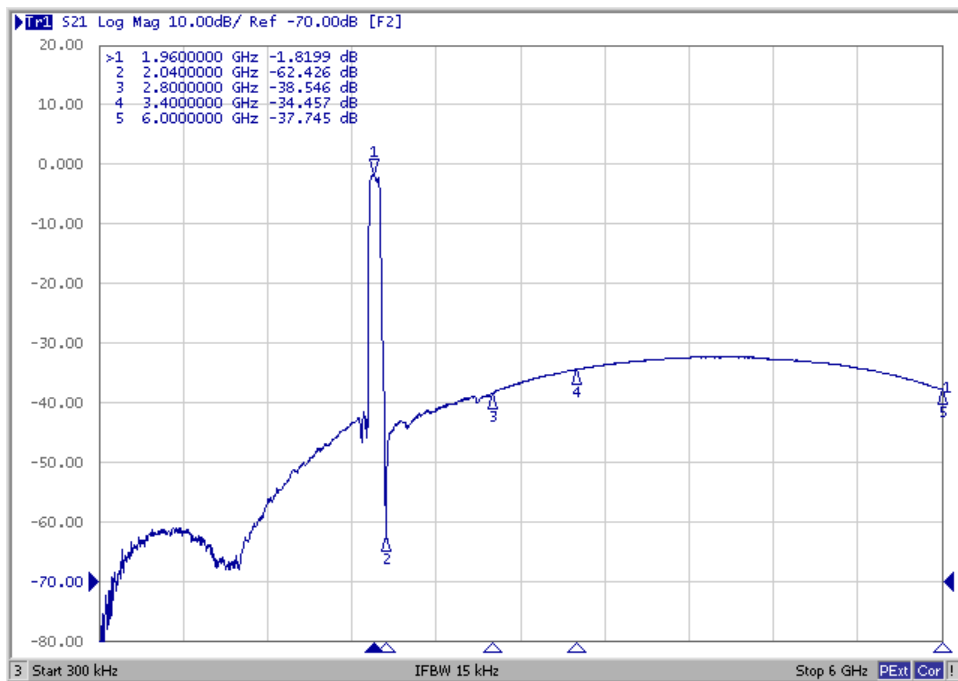
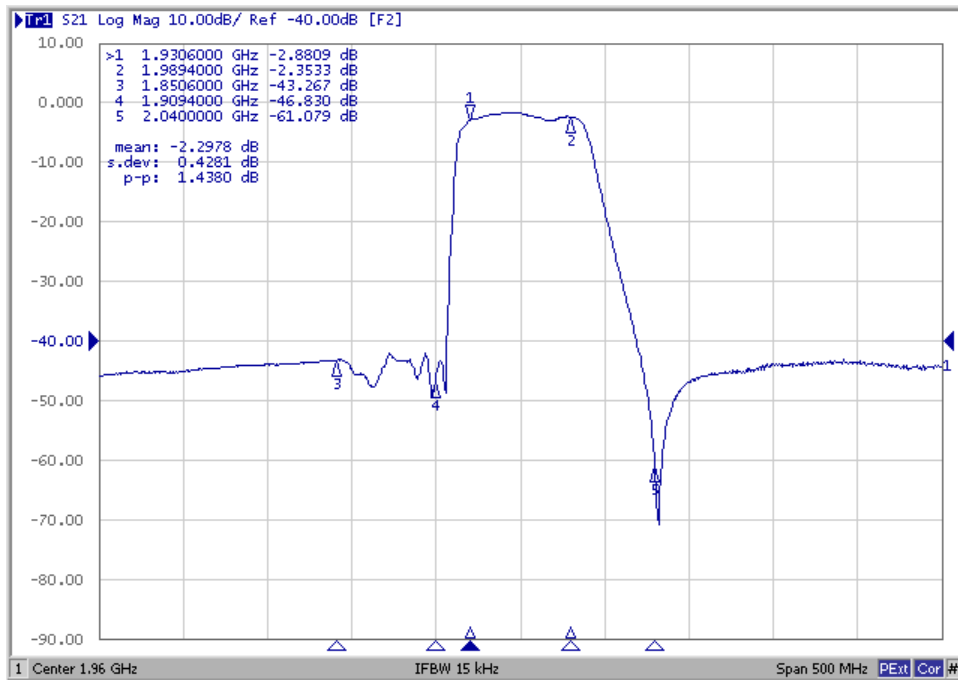
Terminating load impedance : $Z_L = 50 \Omega$

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1960.0	-
Insertion Loss within 1930.6 ~ 1989.4 MHz	dB	-	3.4	4.0
Insertion Loss within 1932.4 ~ 1987.6 MHz	dB	-	3.4	3.8
Amplitude Ripple within 1930.6 ~ 1989.4 MHz	dB _{p-p}	-	1.7	2.6
Amplitude Ripple within 1932.4 ~ 1987.6 MHz	dB _{p-p}	-	1.7	2.4
VSWR within 1930.6 ~ 1989.4 MHz	-	-	2.2	2.8
Attenuation:				
50 ~ 1850.6 MHz	dB	40	45	-
1850.6 ~ 1909.4 MHz	dB	40	43	-
1852.4 ~ 1907.6 MHz	dB	40	43	-
2040.0 ~ 2800.0 MHz	dB	35	45	-
2800.0 ~ 3400.0 MHz	dB	30	38	-
3400.0 ~ 6000.0 MHz	dB	25	33	-

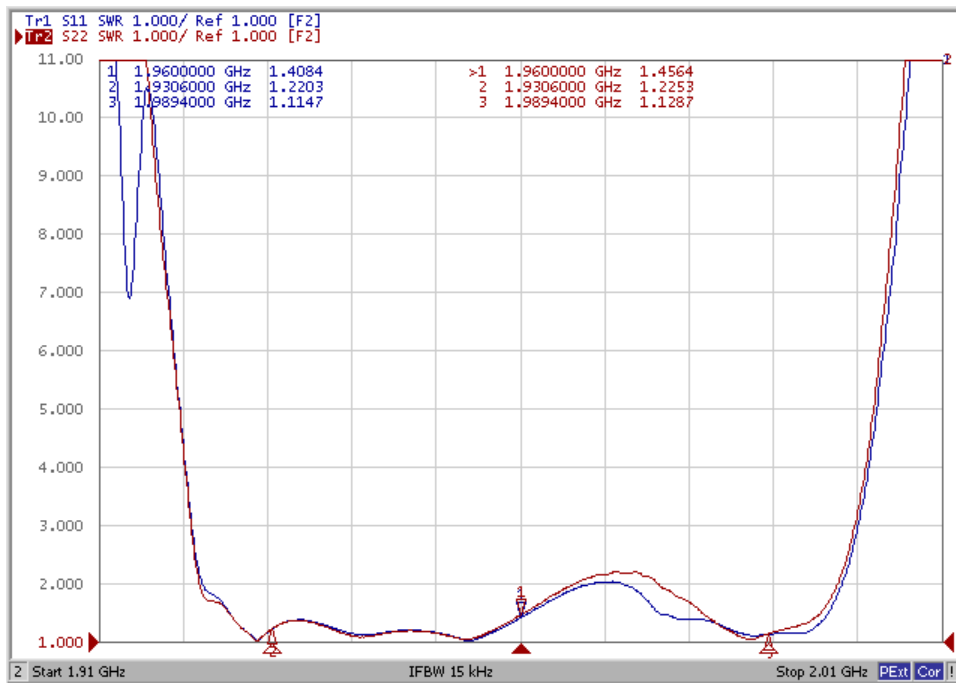
Notes : (1) No Matching Network .

C. FREQUENCY CHARACTERISTICS:

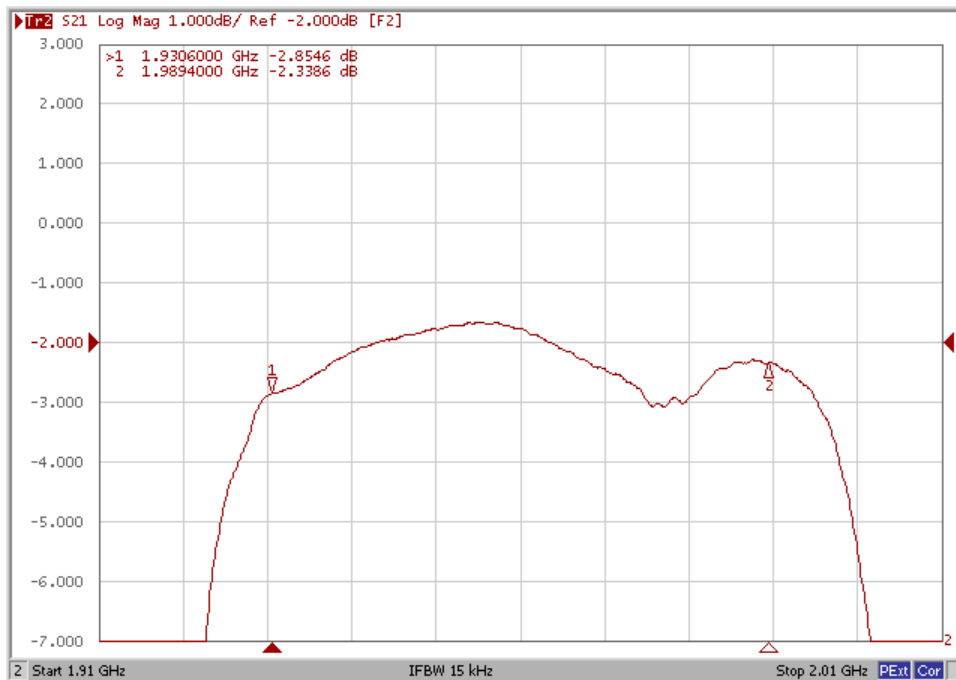
Frequency Response



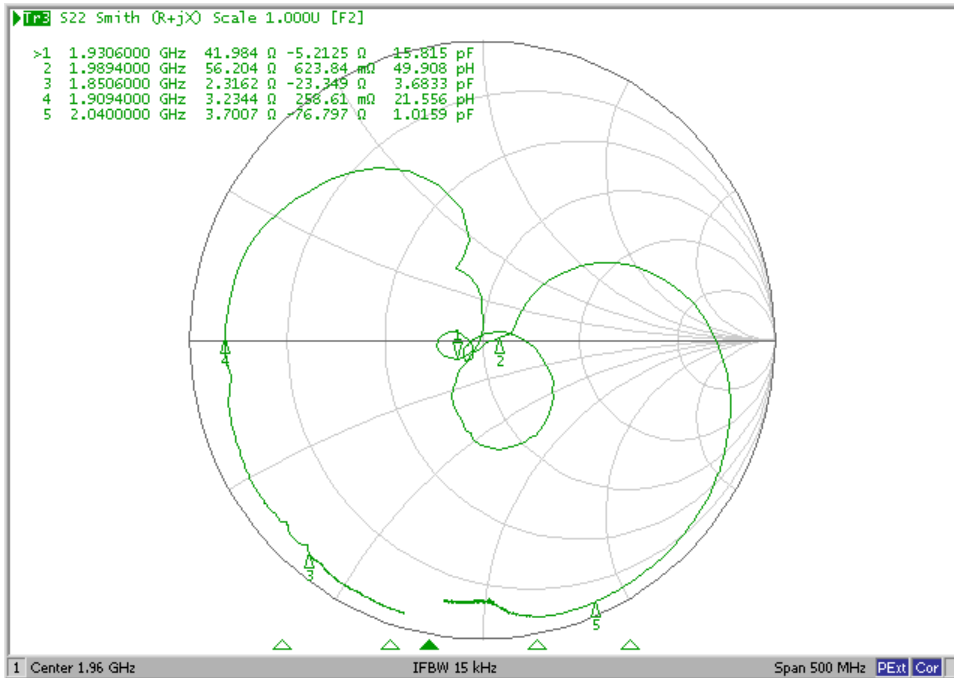
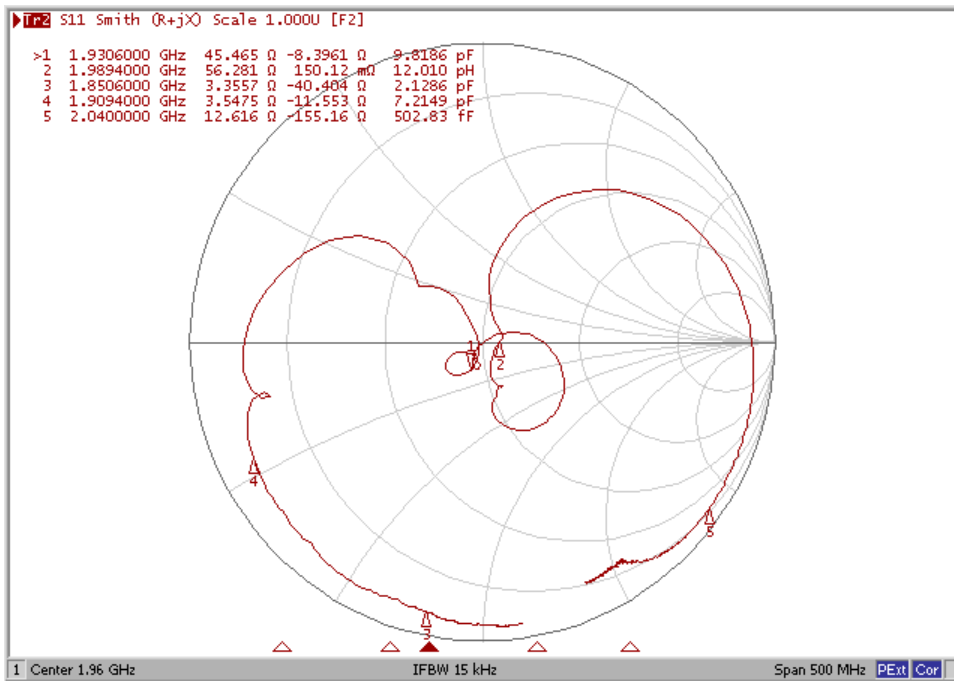
VSWR



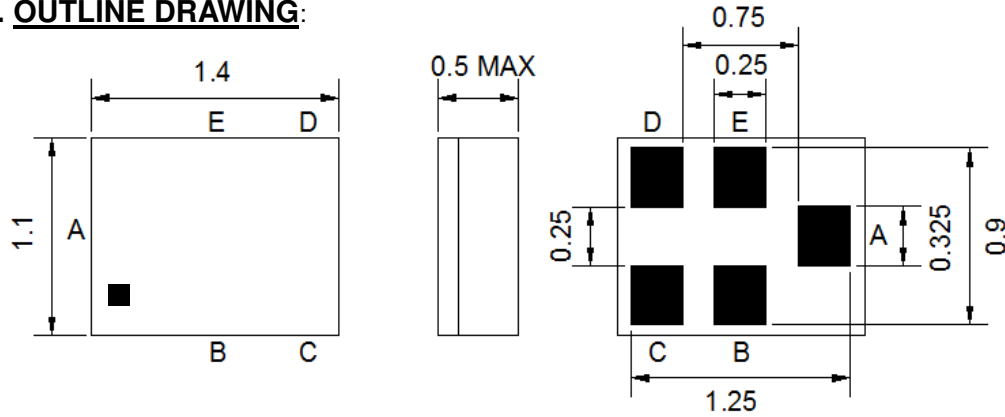
Ripple



Smith Chart

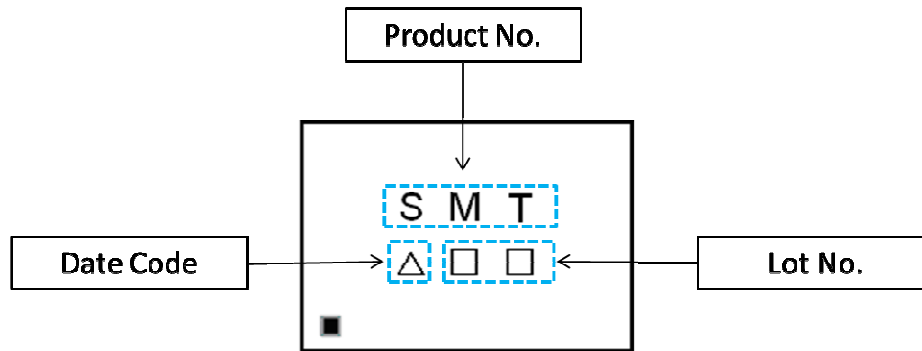


D. OUTLINE DRAWING:



Pin Description	
B,C,E	Ground
A	Input
D	Output

Top View (Pilot Run):



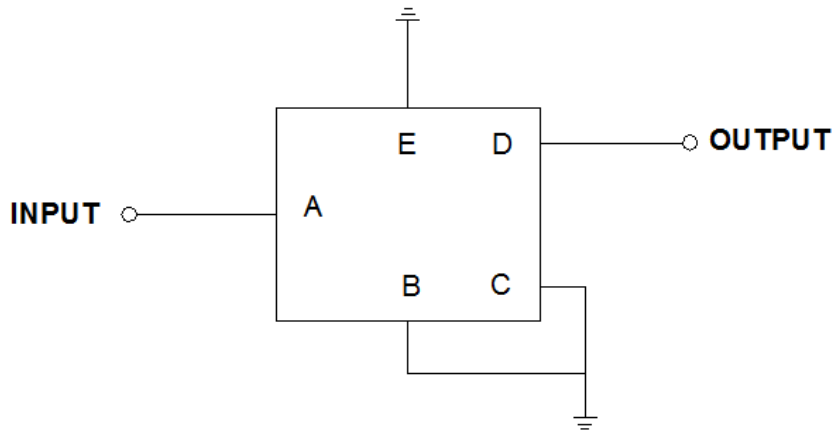
△ : Date Code

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

Product date Code :

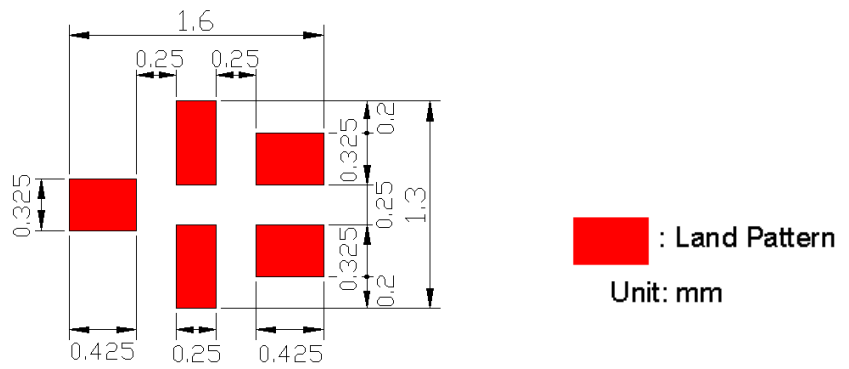
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	R	S	T	U	V	W	X	Y	Z

E. MEASUREMENT CIRCUIT:



Source & Load Impedance: 50 Ω

PCB Footprint :



F. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)

