TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: 916.3 MHz 1.2MHz BW SMD 5.0 x 5.0 mm SAW RF Filter

TST Part No.: TA1986A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Kazuma Lee_____

Approved by:_____Bob Chau_____

Date:_____07 / 17 / 2016_____

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 changes.

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SAW Filter 916.3 MHz

MODEL NO.:TA1986A Rev No.1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 12V
3. Operating Temperature: -40℃ to +85℃
4. Storage Temperature: -40℃ to +85℃

RoHS Compliant
Lead free
Lead-free soldering

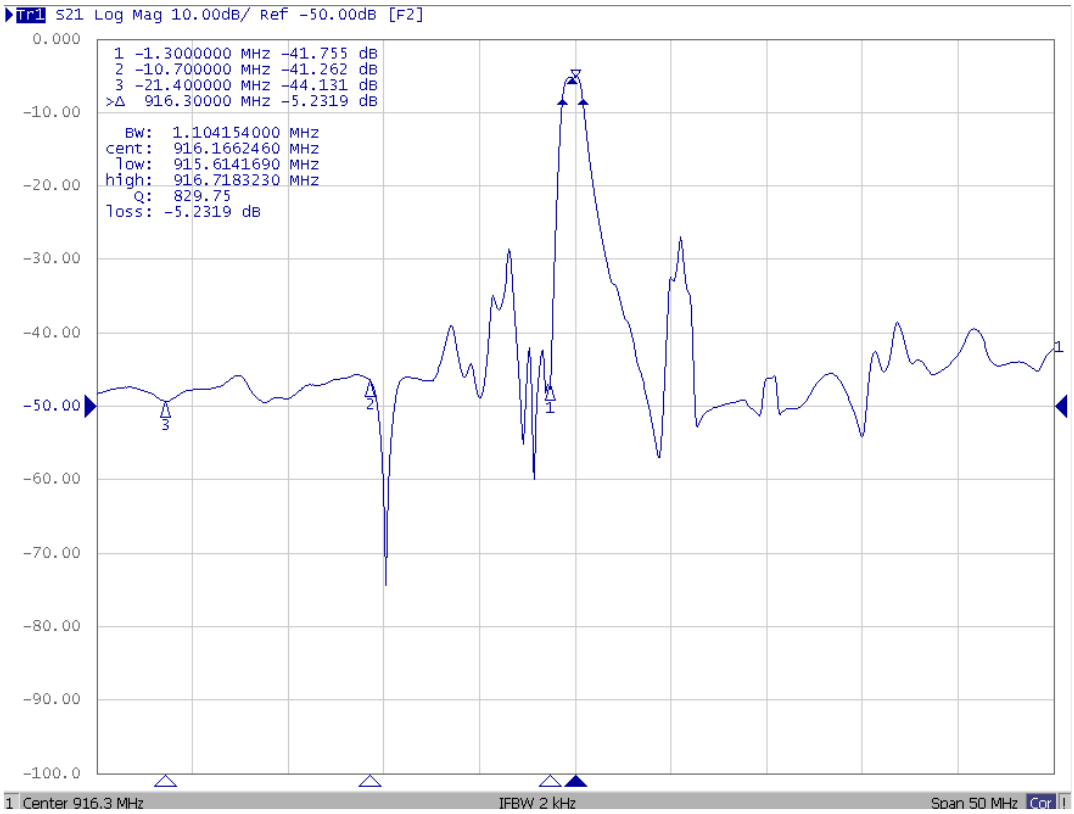
Electrostatic **S**ensitive **D**evice

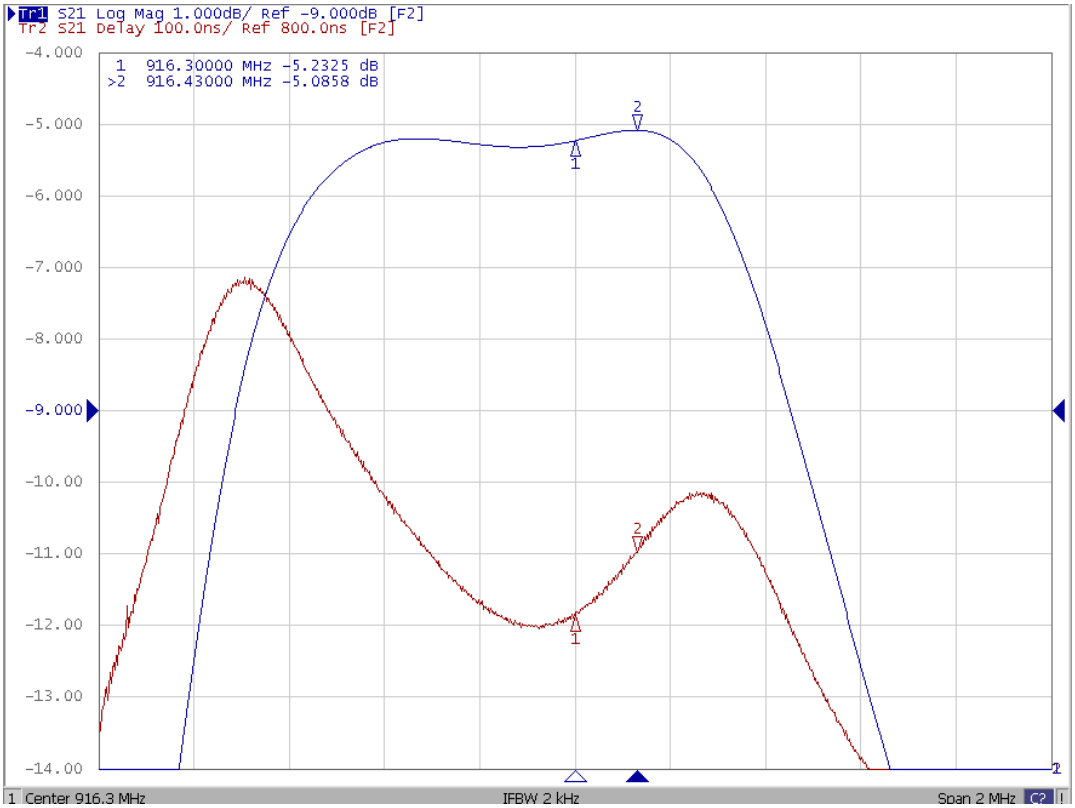
B. ELECTRICAL CHARACTERISTICS:

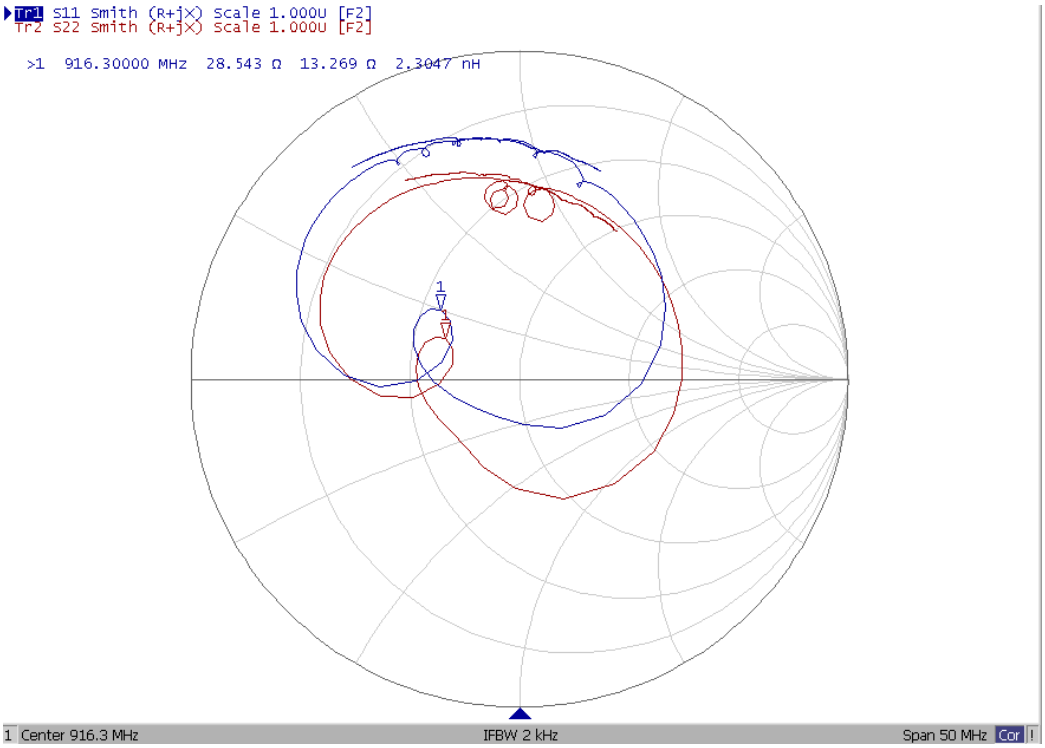
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	916.3	-
3dB BW	MHz	-	1.1	-
Minimum insertion loss IL(min)	dB	-	5.0	6.0
Attenuation (relative to IL_{min}) *1)				-
915MHz	dB	30	41	-
Fc-10.7MHz	dB	30	41	-
Fc-21.4MHz	dB	30	44	-
Temperature coefficient (TCf)	ppm/$℃^2$	-	0.036	-

*1) : The matching circuit is real by actual passive components.
0805 Coillcraft CS series chip conductor is used for inductor.
0402 muRata GRM series is used for capacitor.

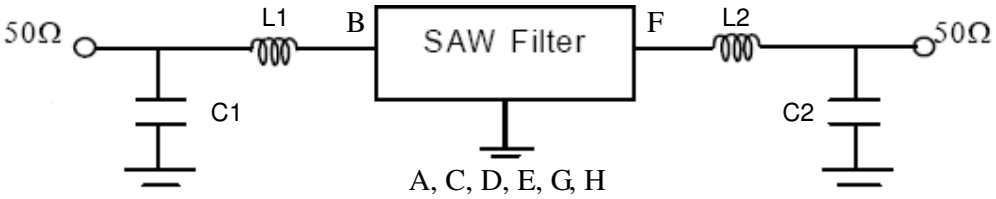
C. FREQUENCY CHARACTERISTICS:





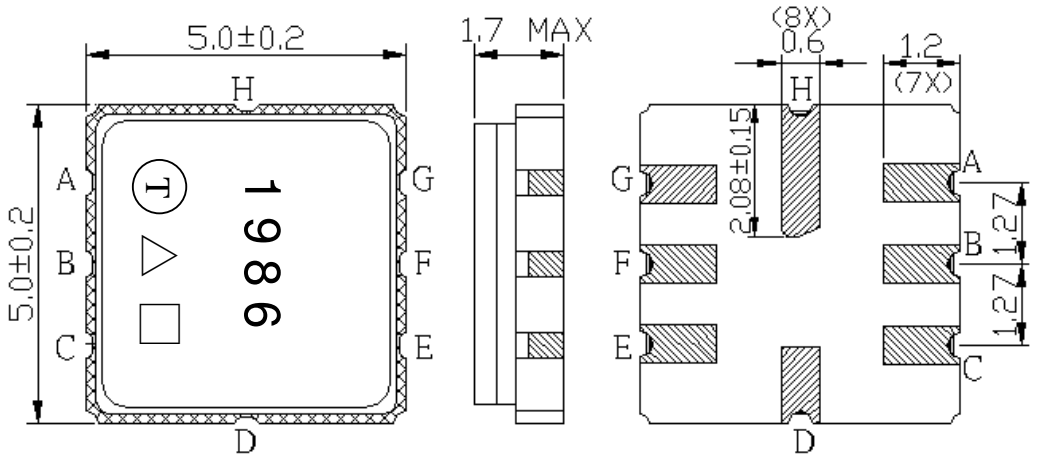


D. MEASUREMENT CIRCUIT:



L1=L2=18nH C1=C2=4pF

E.OUTLINE DRAWING:



#B: Input

#F: Output

#A: Input Ground

#E: Output Ground

#C, D, G, H: Ground

□: Week Code

Unit: mm

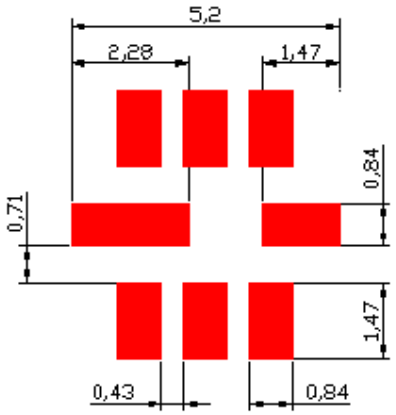
△ : Product / Year Code

Year	2013 2017	2014 2018	2015 2019	2016 2020
Product Code	A	a	A	a

Week Code Table

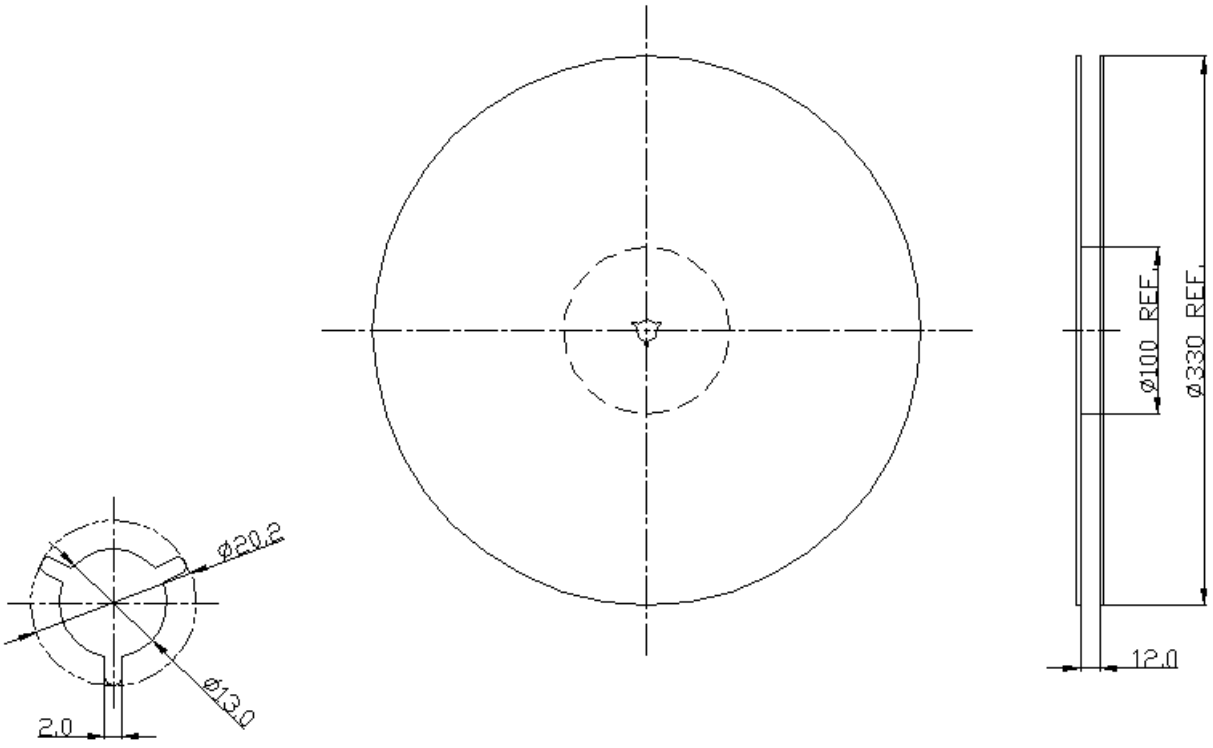
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**	**WK36**	**WK37**	**WK38**	**WK39**
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	**WK41**	**WK42**	**WK43**	**WK44**	**WK45**	**WK46**	**WK47**	**WK48**	**WK49**	**WK50**	**WK51**	**WK52**
n	o	p	q	r	s	t	u	v	w	x	y	z

F. PCB FOOTPRINT:

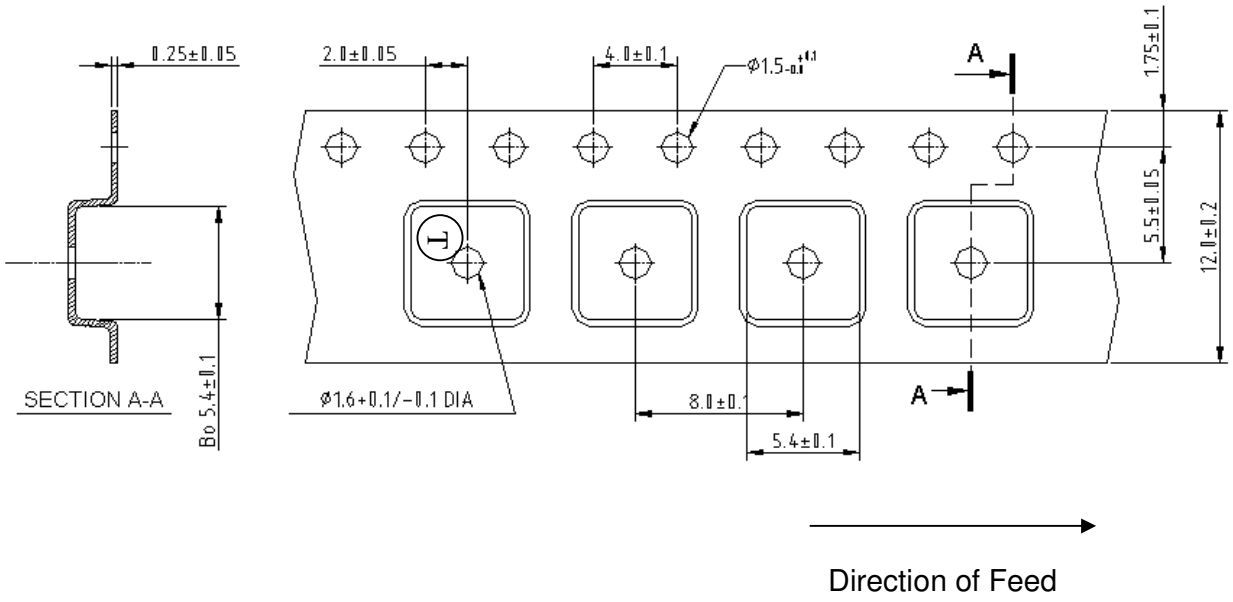


G. PACKING:

1. REEL DIMENSION (Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.

