

Product Specifications Approval Sheet

Product Description: 916 MHz 0.65MHz BW SMD 3.8 x 3.8 mm SAW RF Filter

TST Parts No.: TA2655A

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee *Kazuma Lee*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 06 / 10 / 2020

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 916MHz 0.65MHz BW (SMD 3.8×3.8 mm)

MODEL NO.: TA2655A

REV. NO.1

A. MAXIMUM RATING:

1. Operating temperature range: -30℃ to 85℃
2. Storage temperature range: -40℃ to 85℃
3. Input Power Level : 20 dBm
4. Maximum DC Voltage : 10V
5. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant

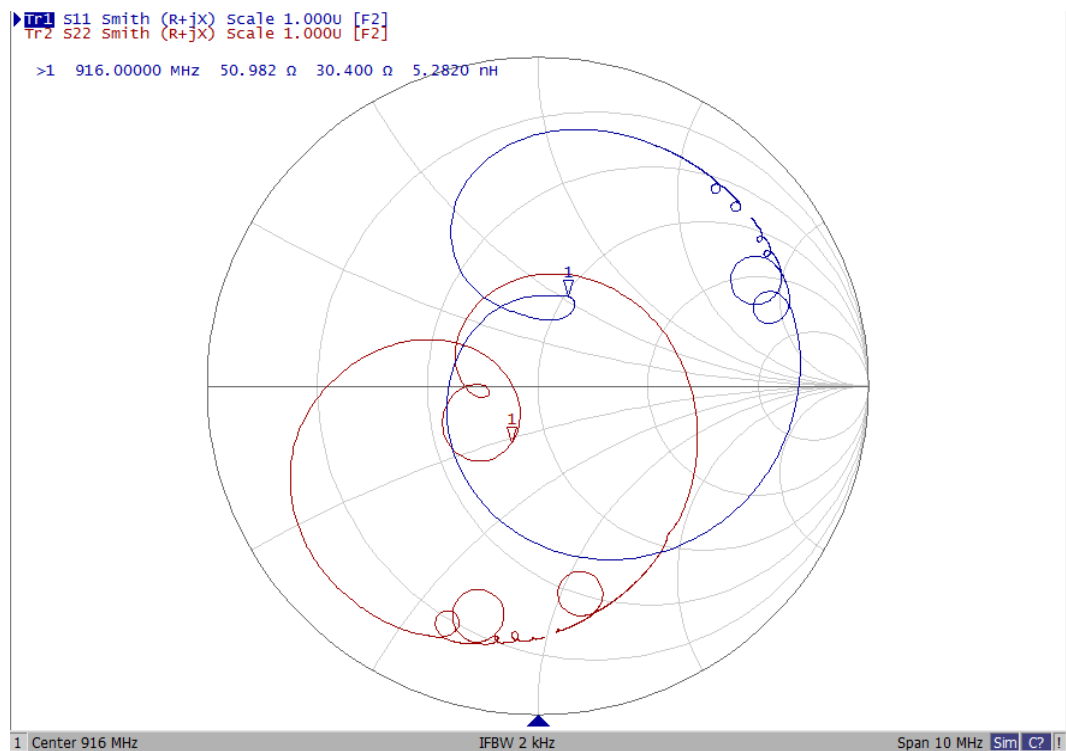
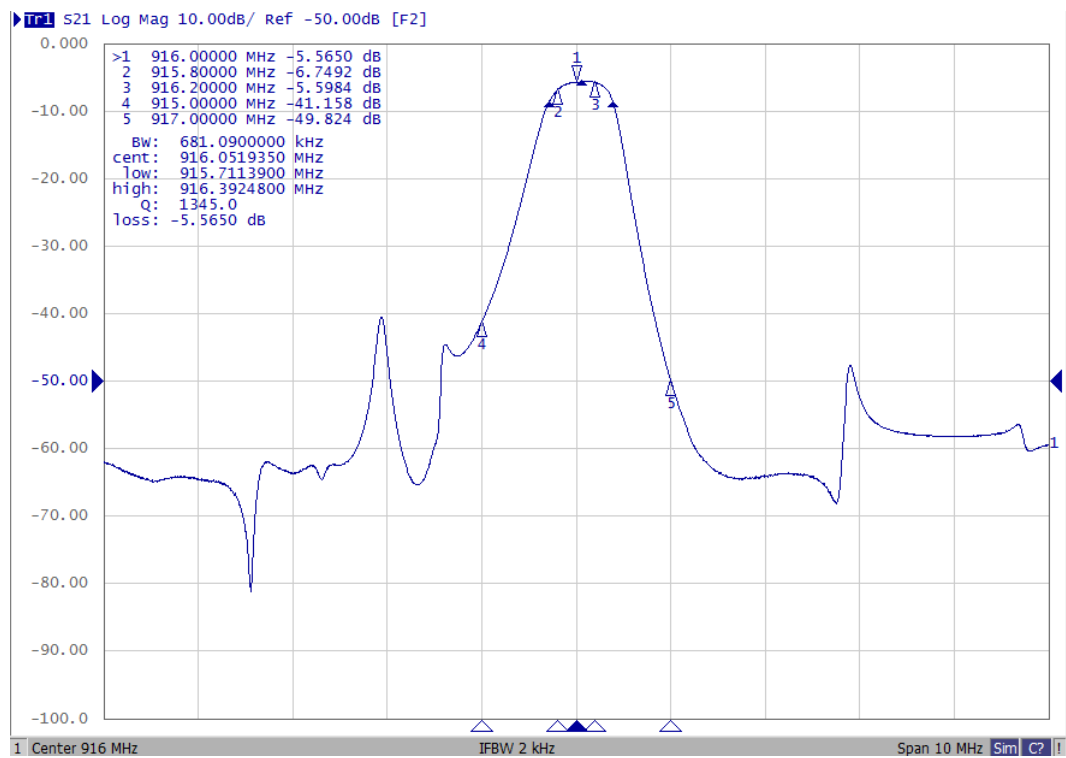
Lead-free soldering

Electrostatic Sensitive Device

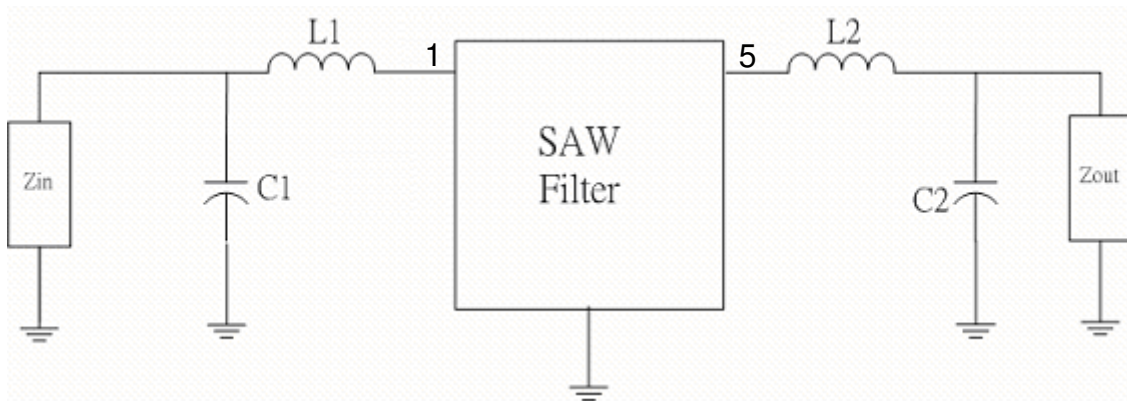
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.
Center frequency, F_c	MHz	-	916	-
Insertion Loss, IL	dB	-	5.5	8.0
-3dB bandwidth	MHz	0.65	0.68	-
Passband Ripple F _c +/- 0.2MHz	dB	-	1.0	3.0
Attenuation:(Reference level from Min IL)				
915MHz	dB	20	35	
917MHz	dB	20	45	
Temperature Coefficient	ppm/℃ ²	-	-0.036	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. FREQUENCY CHARACTERISTICS:

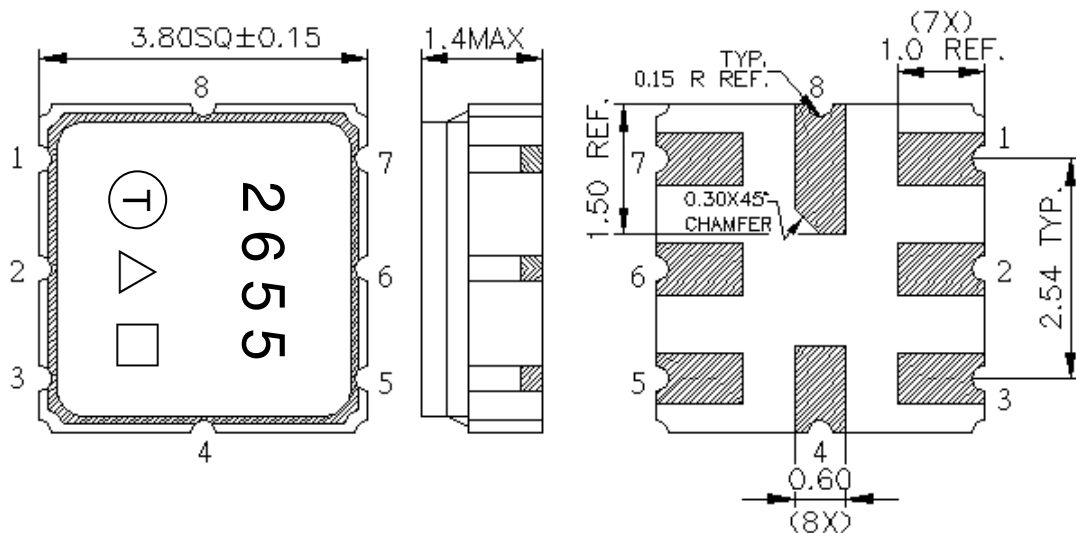


D. MATCHING CIRCUIT:



$$L1=18\text{nH} \quad L2=18\text{nH} \quad C1=2.0\text{pF} \quad C2=5.6\text{pF}$$

E. Outline Drawing:



#1 –Input

#2 –Input ground

#5 – Output

#6 – Output ground

Others – Ground

Unit: mm

□ : Week Code

△ : Product / Year Code

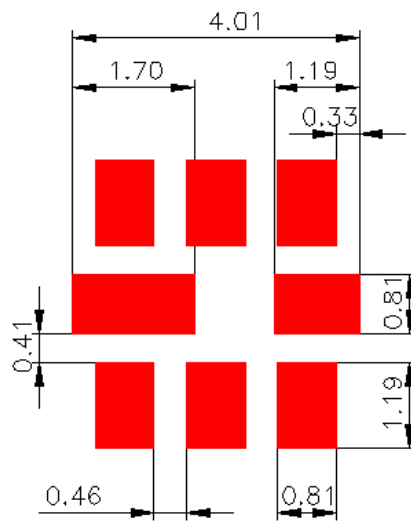
Product / Year Code

Year	2019 2021	2020 2022
Product Code	A	a

Week Code Table

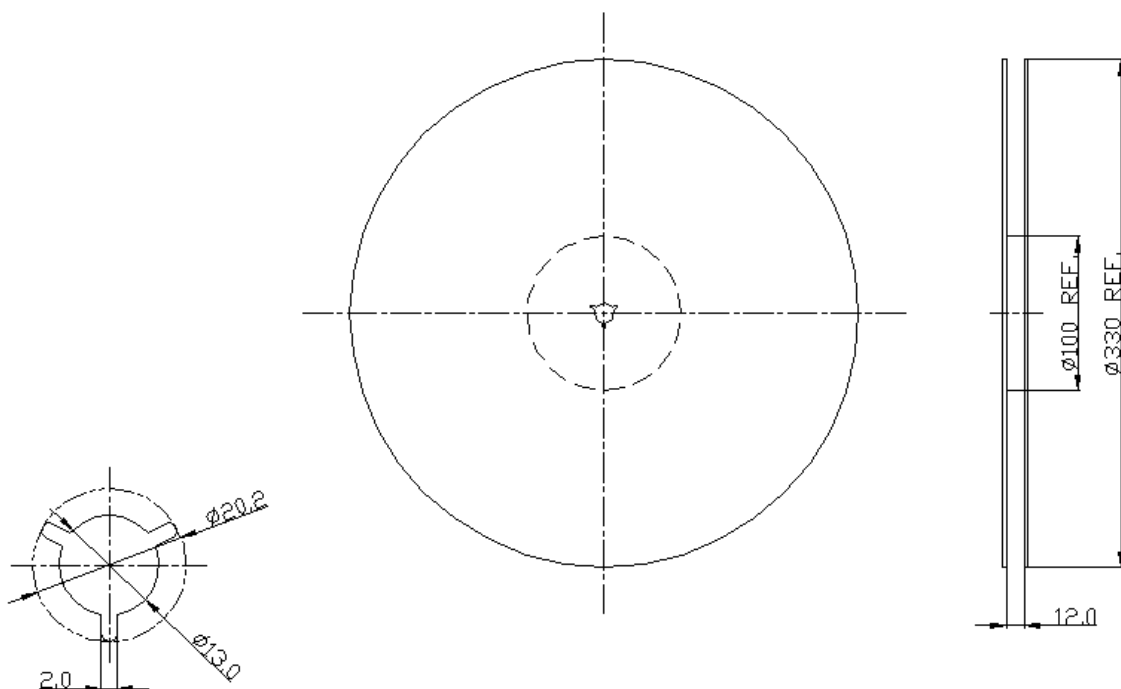
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A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47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

F. PCB FOOTPRINT:

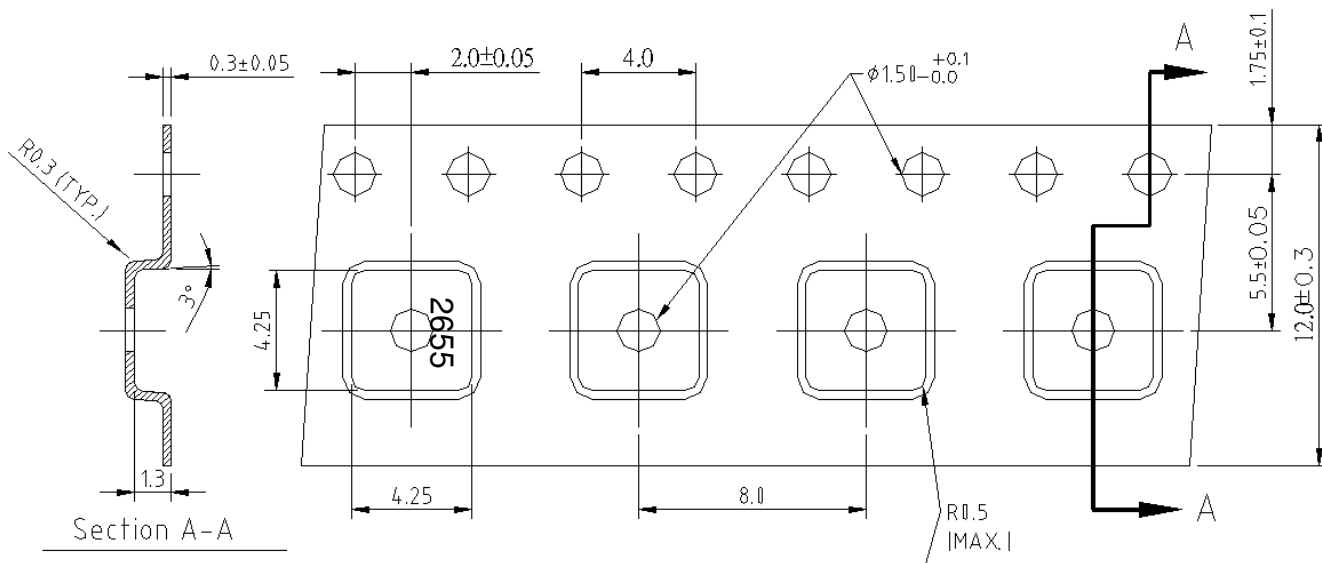


G. PACKING:

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.

