

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:	SAW Resonat	or 315 MHz SMD 3	.0X3.0 mm
TST Part No.: TC027	74D		
Customer Part No.:_			
Customer signature re	equired		
Company:			_
Division:			_
Approved by :			_
Date:			_
		Hana Pu Lin	
Checked by:	Hongpu Lin	Trongia	
Checked by:	Andy Yu	Andy In	
Date:	2019/04/25		

- 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.



Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Resonator 315MHz

MODEL NO.: TC0274D REV. NO.:2.0

A. FEATURES:

1.1-Port Resonator.

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 5 V

3.Operating Temperature: -40°C to +85°C4.Storage Temperature: -40°C to +85°C5.Moisture Sensitive Level: Level 1 (MSL1)

`

Reference Temperature T_A=25°C

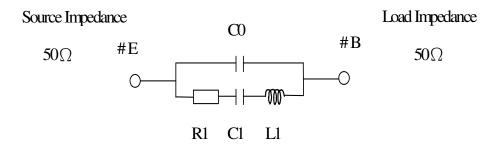
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fc	MHz	314.950	315	315.050
Insertion Loss IL	dB	-	1.5	2.5
Unload quality factor Q _U		-	8000	-
Ageing of fc	ppm/yr	-	-	±10
Motional capacitance C1	fF	-	2.89	-
Motional inductance L1	μ H	-	87.5	-
Motional resistance R1	Ohm	-	20.2	-
Parallel capacitance Co	pF	-	4.14	-
Frequency Temperature coefficient (TC _f)	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.0X3.0X1.1 mm		

Temperature dependence of fc: $fc(T_A)=fc(T_O)(1-TC_f(T_A-T_O)^2)$

D.EQUVIRENT CIRCUIT:

One-Port Resonator:



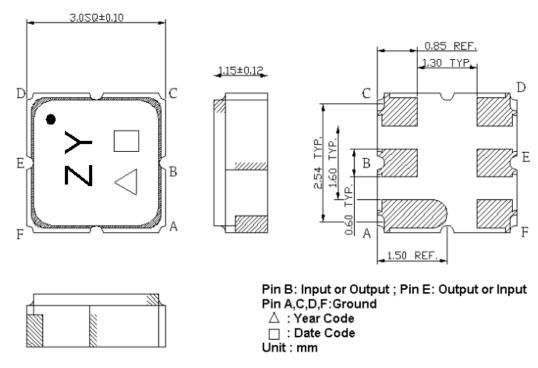
TAI-SAW TECHNOLOGY CO., LTD.

TST DCC Release document

RoHS Compliant

Lead free Lead-free soldering

E.OUTLINE DRAWING:



Date code: Provided by planer each year Year code: 9 for 2009,0 for 2010, 1 for 2011...

F.FREQUENCY CHARACTERISTICS:

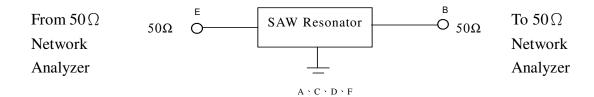


TAI-SAW TECHNOLOGY CO., LTD.

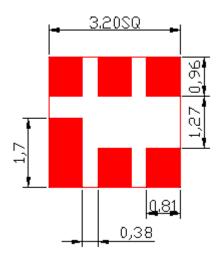
TST DCC
Release document

G. TEST CIRCUIT:

Network analyzer

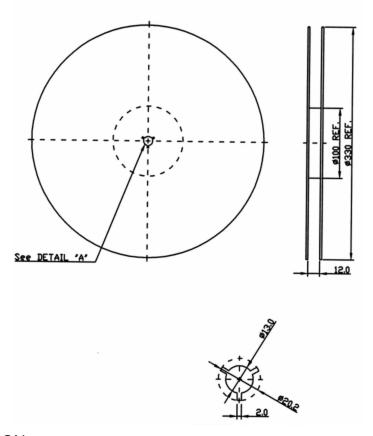


H. PCB FOOTPRINT:

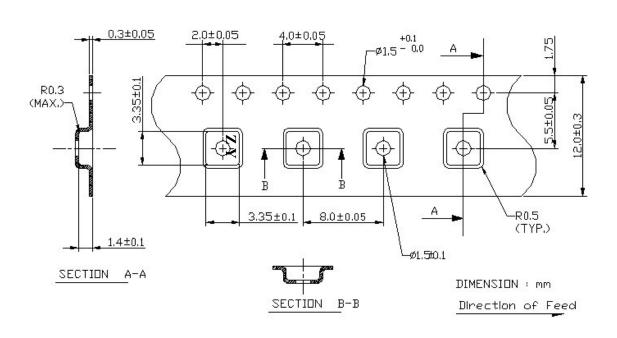


G. PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

