



TAI-SAW TECHNOLOGY CO., LTD.

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

Issued Date:

Product Name: One-Port SAW Resonator 315MHz F11

TST Parts No.: TC0166A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Paul Ni

Approval by: Francis Chen

Date: Sep. 28. 2006



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SAW Resonator 315 MHz

MODEL NO.: TC0166A

REV. NO.:2

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

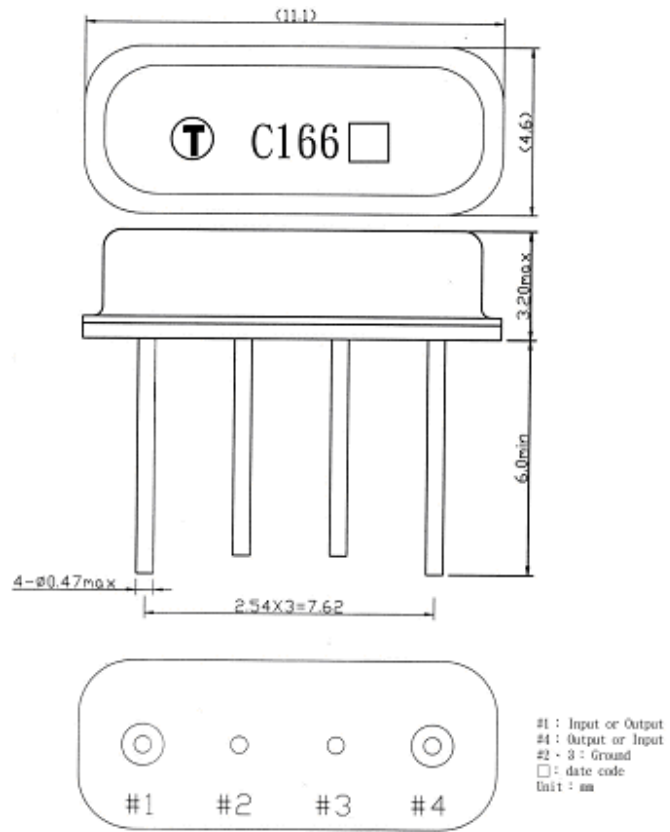
1. Power Dissipation: 0 dBm.
2. DC voltage: 12 V.
3. Storage Temperature: -40 °C to 85 °C.
4. Operating Temperature: -40 °C to 85 °C



C. ELECTRICAL CHARACTERISTICS:

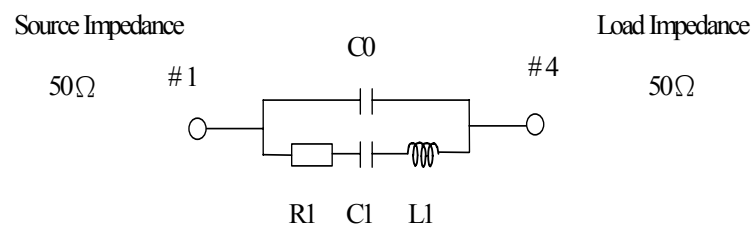
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	314.850	315	315.150
Insertion Loss IL	dB	-	1.0	2.0
Unloaded Quality factor		-	12000	-
Equivalent Elements				
Motional capacitance C1	fF	-	3.53	-
Motional inductance L1	μH	-	72.3	-
Motional resistance R1	Ohm	-	11.8	25
Parallel capacitance Co	pF	-	4.8	-
Temp.coeff.	ppm/ c*2	-	0.032	-
Turnover To	deg.C	35	-	65
Package size		F-11		

D. OUTLINE DRAWING:

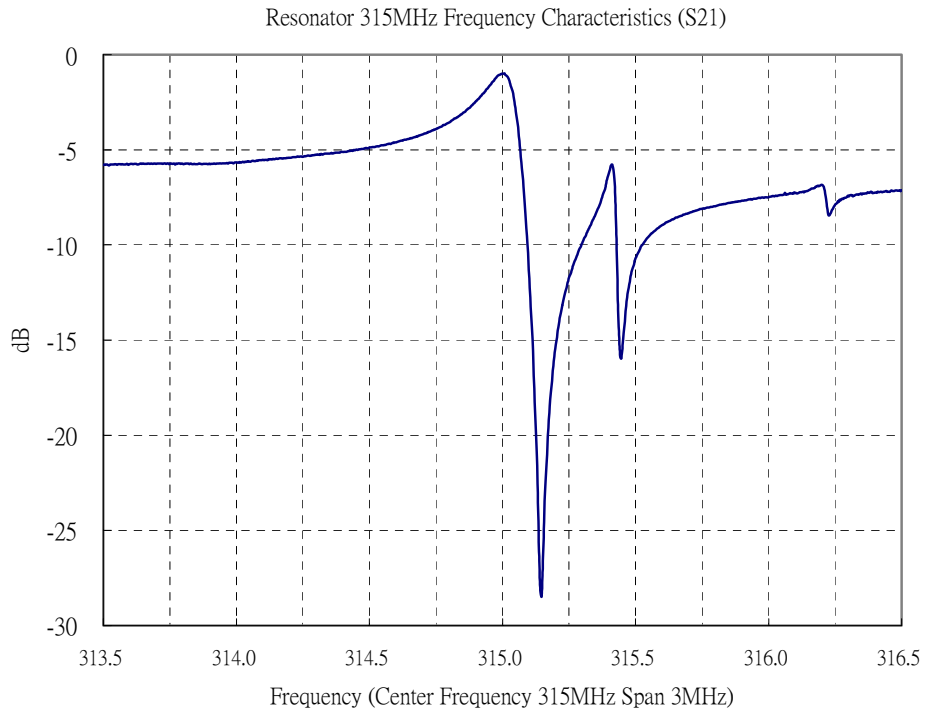


E. EQUIVALENT CIRCUIT:

One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

