



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: SAW Resonator 303.825 MHz TO39

TST Parts No.: TC0143A

Customer Parts No.: _____

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

Checked by: Vincent Liu

Approval by: Francis Chen

Date: 2002/12/19



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SAW Resonator 303.825 MHz

MODEL NO.: TC0143A

REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

1. Input Power Level: 0 dBm

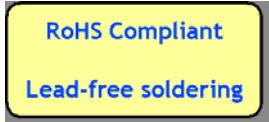
2. DC voltage: 12 V

3. Operating Temperature: -40°C to +85°C

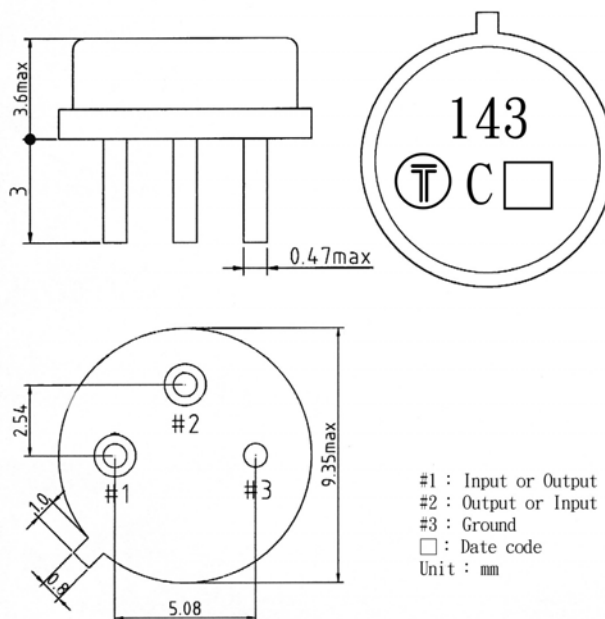
4. Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	303.750	303.825	303.900
Insertion Loss IL	dB	-	1.5	2.5
Equivalent Elements				
Motional capacitance C1	fF	-	3.08	-
Motional inductance L1	μH	-	89.248	-
Motional resistance R1	Ohm	-	19.596	-
Parallel capacitance Co	pF	-	4.85	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	20	-	50
Package size		TO39		

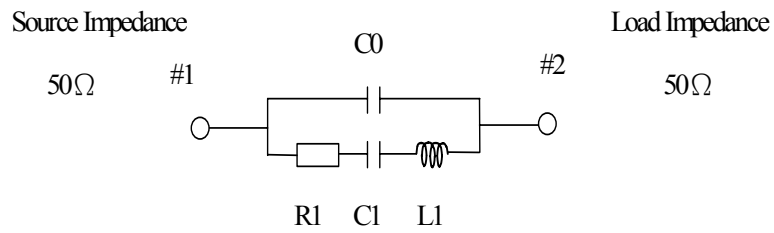


D. OUTLINE DRAWING:

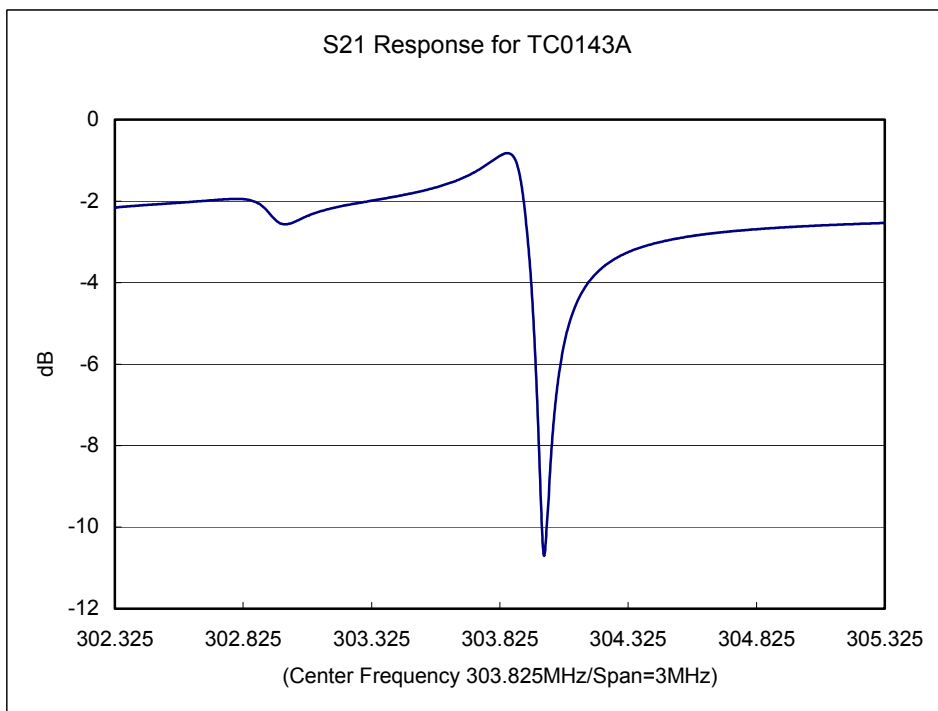


E. EQUIVALENT CIRCUIT:

One-Port Resonator:

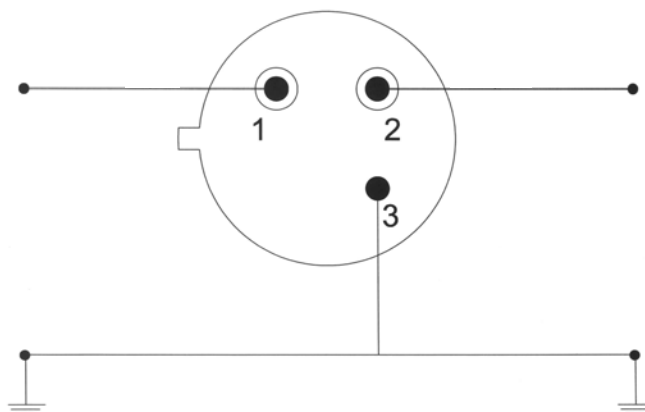


F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

From 50Ω
Network
Analyzer



To 50Ω
Network
Analyzer