



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date:

Product Name: One-Port SAW Resonator 423.22MHz, SMD5x5

TST Parts No.: TC0149E

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 423.22 MHz

MODEL NO.: TC0149E

REV. NO.:2

A. FEATURES:

1. One-Port Resonator.

B. MAXIMUM RATING:

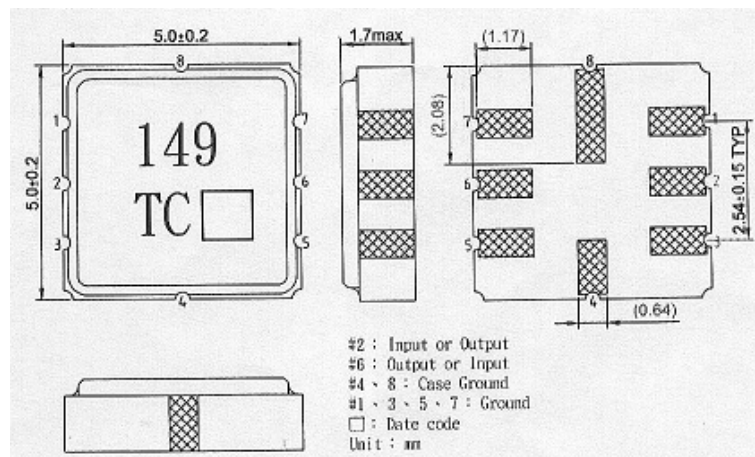
1. Power Dissipation : 0 dBm
2. DC voltage : 12 V
3. Storage Temperature : -40°C to +85°C
4. Operating Temperature : -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

C. ELECTRICAL CHARACTERISTICS:

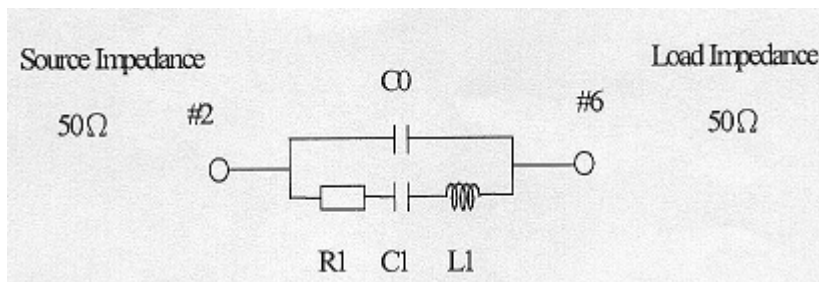
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	423.145	423.22	423.295
Insertion Loss IL	dB	-	1.2	2.5
Unloaded Quality factor		-	15000	-
Ageing of Fc	ppm	-	-	10/year
Equivalent Elements				
Motional Capacitance C1	fF	-	2.2	-
Motional Inductance L1	μ H	-	64.5	-
Motional Resistance R1	Ohm	-	13	31
Parallel Capacitance Co	PF	-	3.8	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	25	-	55
Package size	SMD5X5X1.7mm			

D. OUTLIN DRAWING:

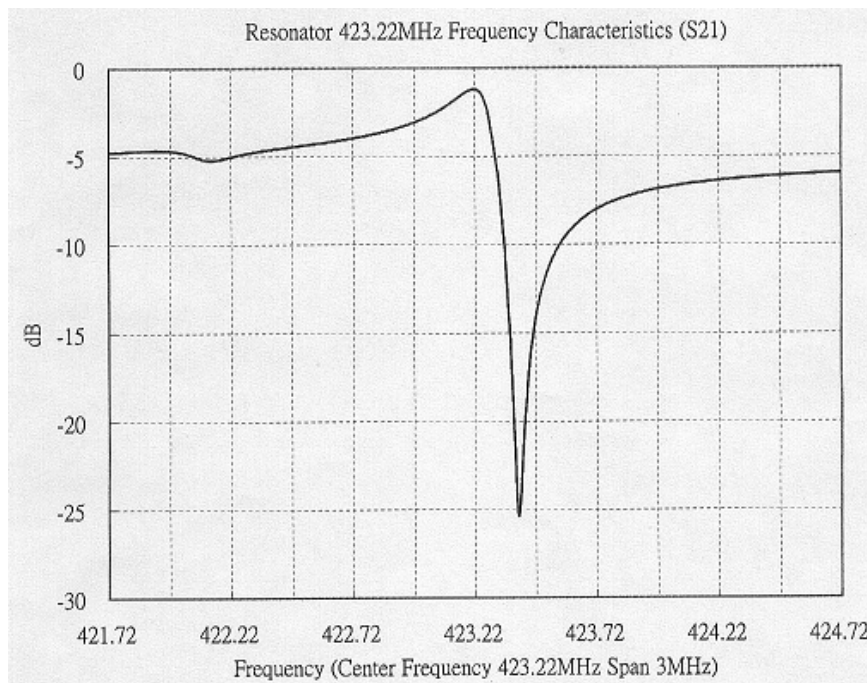


E. EQUIVALENT CIRCUIT:

One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

