

SAW Resonator Specification

Version S

Total Page 4



公司名称
CUSTOMER _____

产品名称
TYPE 声表谐振器 433.92MHz _____

型号
PART NO. L433A33 _____

参考料号
EQUIVALENT PART NO. _____

确认
APPROVED (Please sign here and send copy back to us.)

批准 Approved by	拟制 Applied by

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SAW Resonator 433.92 MHz

A. FEATURES:

- 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:

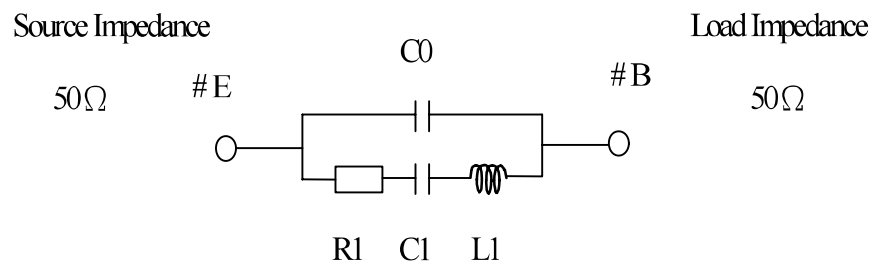
Reference Temperature $T_A=25^\circ\text{C}$

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fc	MHz	433.845	433.920	433.995
Insertion Loss IL	dB	-	1.58	2.2
Unload quality factor Q_U		6000	11000	-
Ageing of fc	ppm/yr	-	-	±10
Motional capacitance C1	fF	-	1.5	-
Motional inductance L1	μH	-	89.79	-
Motional resistance R1	Ohm	-	22.25	-
Parallel capacitance C0	pF	-	2.95	-
Frequency Temperature coefficient (TC _f)	ppm/c*2	-	0.032	-
Turnover To	deg.C	10	25	40
Package size		SMD 3X3X1.1 mm		

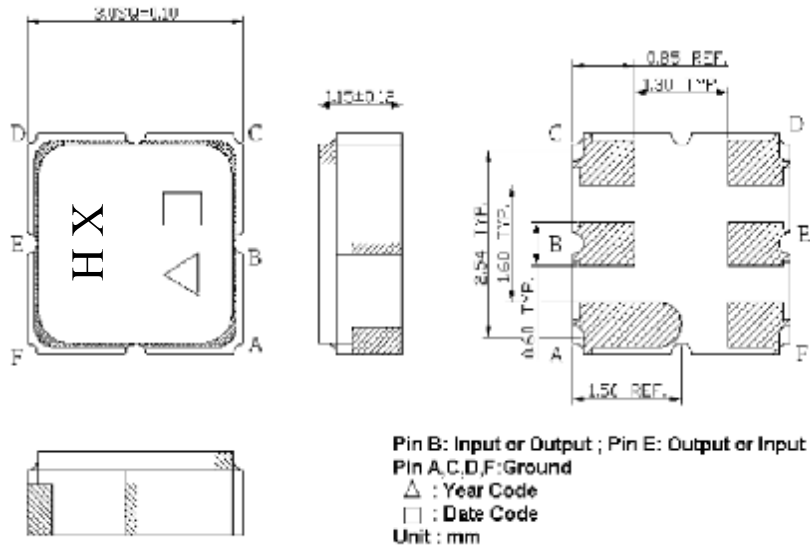
Temperature dependence of fc: $fc(T_A)=fc(T_O)(1+TC_f(T_A-T_O)^2)$

D. EQUIVALENT CIRCUIT:

One-Port Resonator:

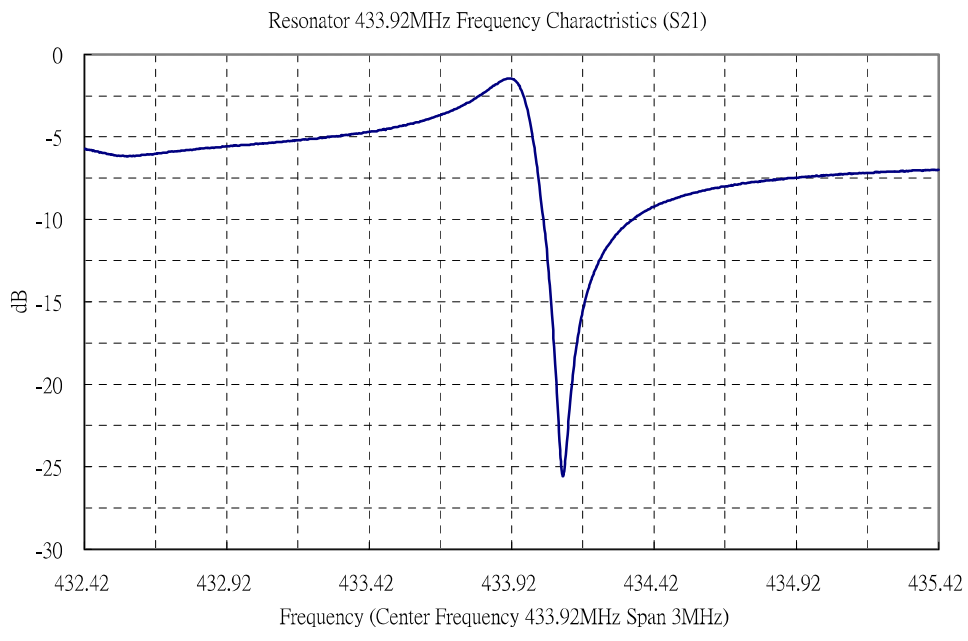


E. OUTLINE DRAWING:

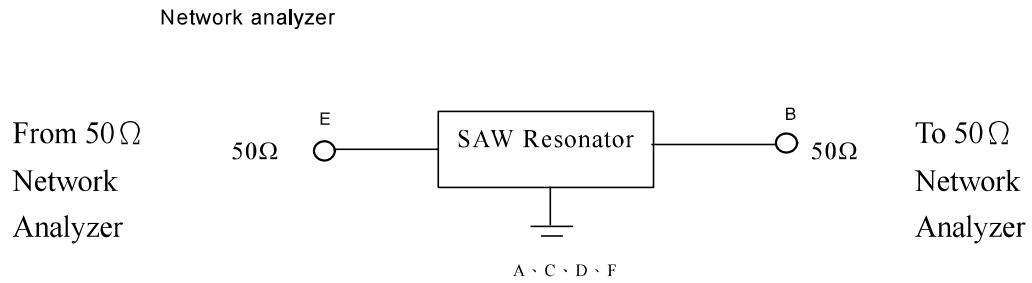


□ Date code: Provided by planer each year
 Year code: 5 for 2005, 6 for 2006, ...

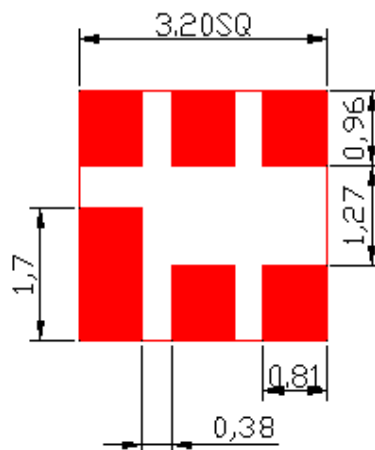
F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

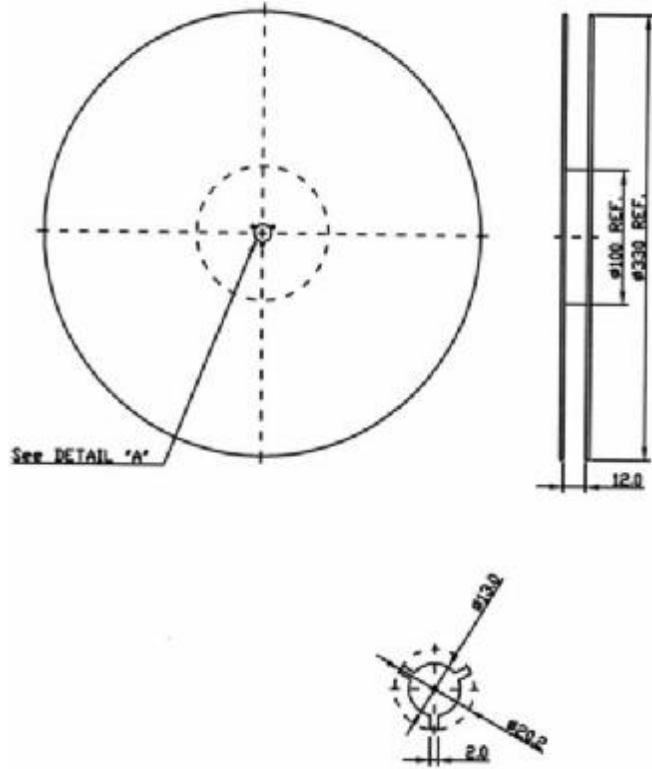


H. PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

