

SAW Resonator 868.30MHz

Model: TC0193A

Part No: MA05573

REV. NO.: 1

A. FEATURES:

- 1-Port Resonator.

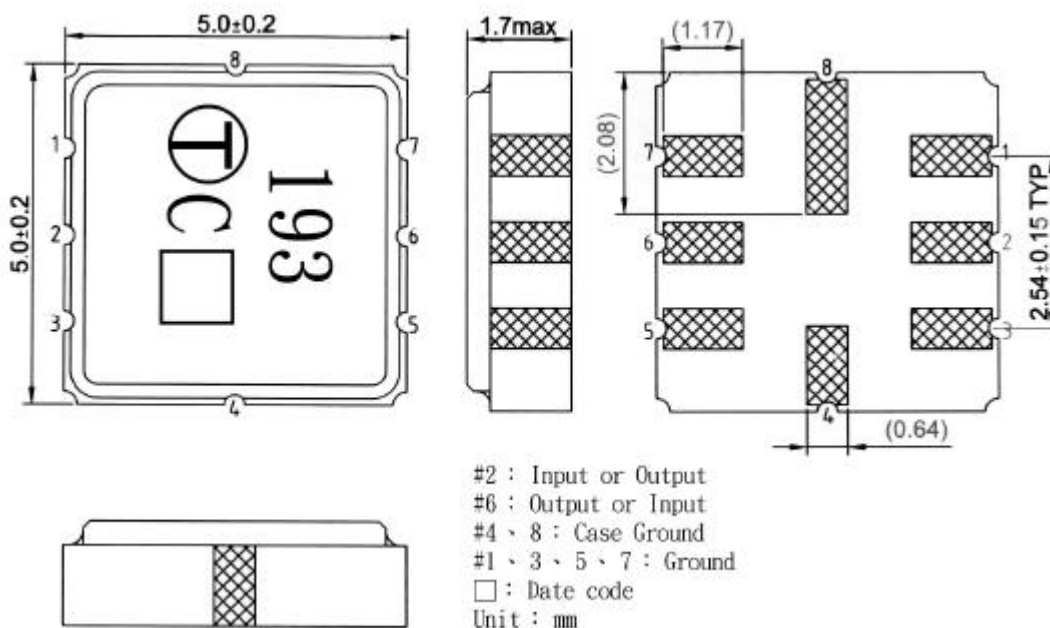
B. MAXIMUM RATING:

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:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	868.225	868.300	868.375
Insertion Loss IL	dB	-	1.3	2.5
Equivalent Elements				
Motional capacitance C1	fF	-	1.24	-
Motional inductance L1	H	-	27.20	-
Motional resistance R1	Ohm	-	17.56	-
Parallel capacitance Co	pF	-	2.52	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	20	-	50
Package size	SMD 5X5X1.4mm			

D. OUTLINE DRAWING:

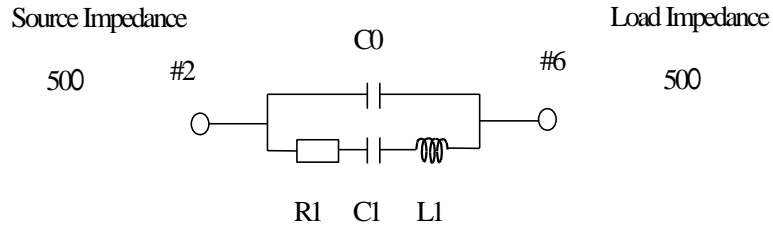


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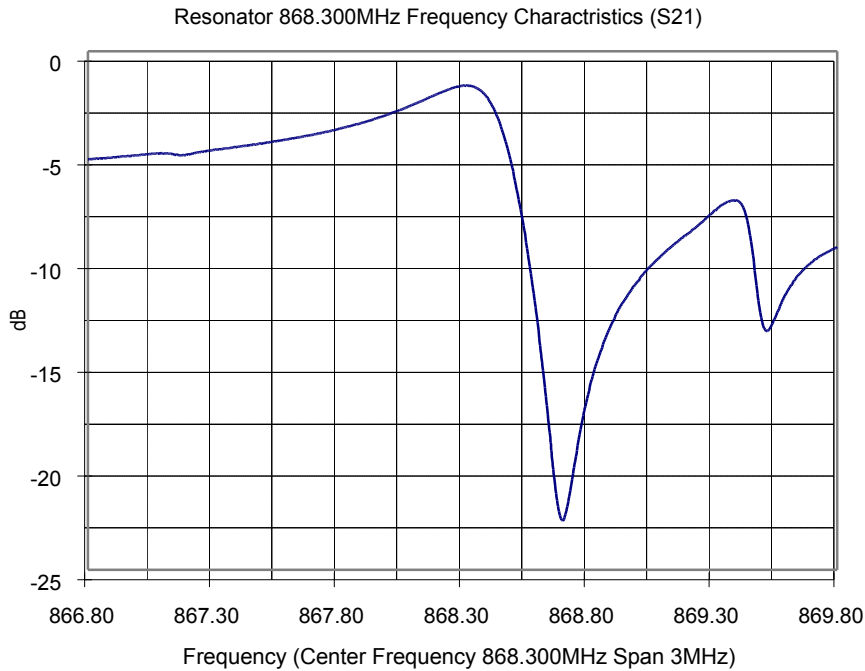
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E. EQUIVALENT CIRCUIT:

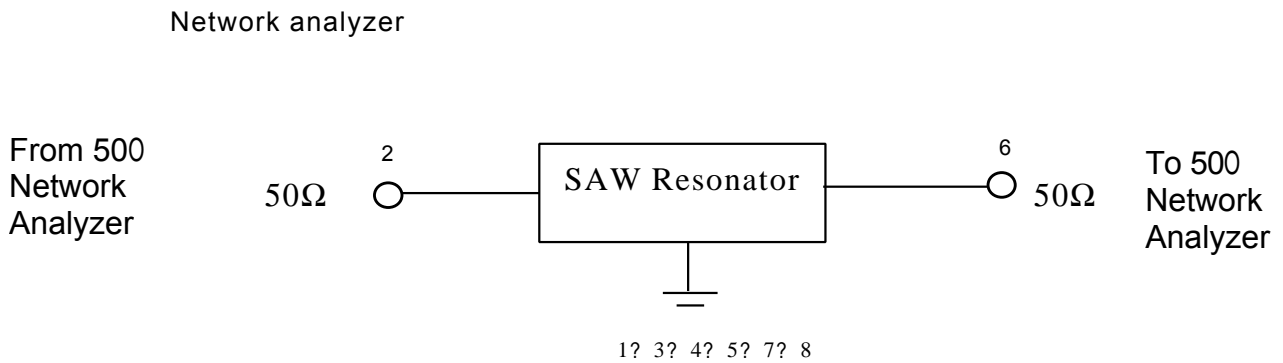
One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

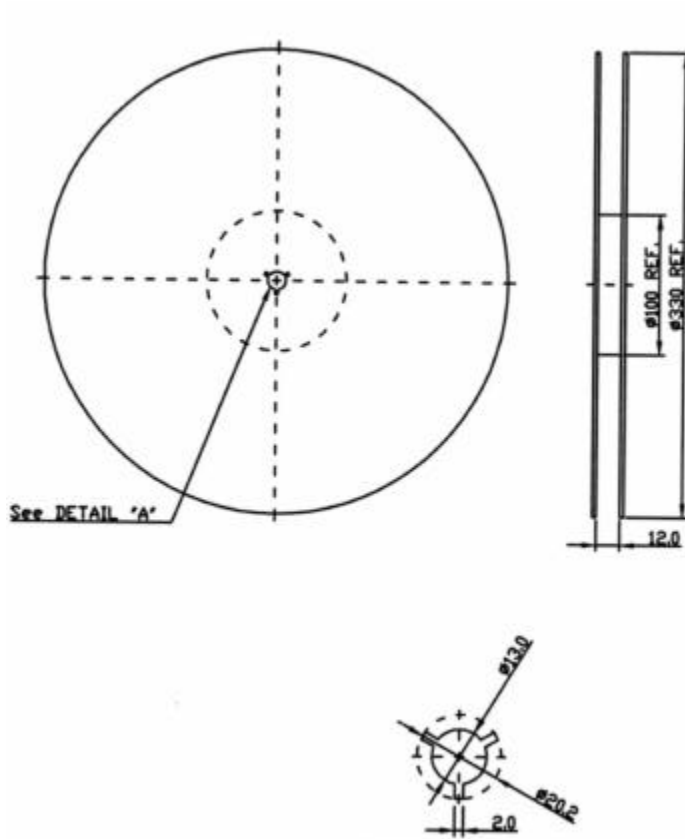


H. PACKING:

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1. REEL DIMENSION



2. TAPE DIMENSION

