

SAW Resonator 300MHz

Model: TC0267A

Part No: MA07654

REV. NO.: 1

A. FEATURES:

1. 1-Port Resonator.

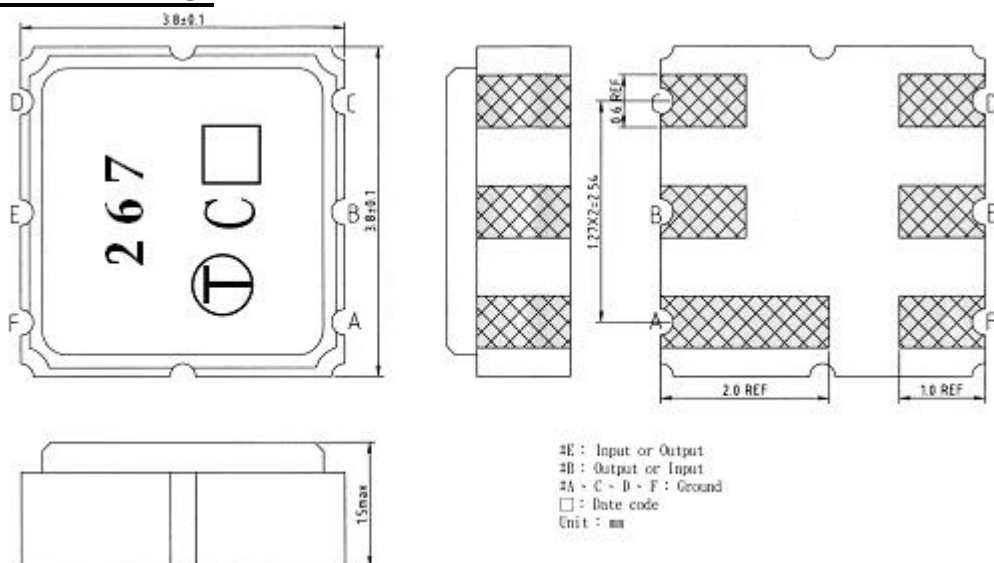
B. MAXIMUM RATING:

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	299.925	300	300.075
Insertion Loss IL	dB	-	1.7	2.5
Equivalent Elements				
Motional capacitance C1	fF	-	3.46	-
Motional inductance L1	μH	-	81.136	-
Motional resistance R1	Ohm	-	18.89	-
Parallel capacitance Co	pF	-	5.08	-
Temp.coeff.	ppm/°C ²	-	0.032	-
Turnover To	deg.C	10	25	40
Package size		SMD 3.8X3.8X1.2mm		

D. OUTLINE DRAWING:



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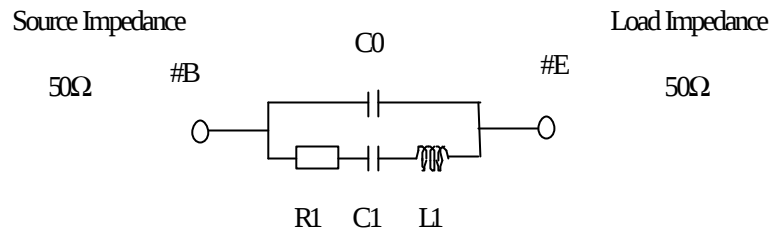
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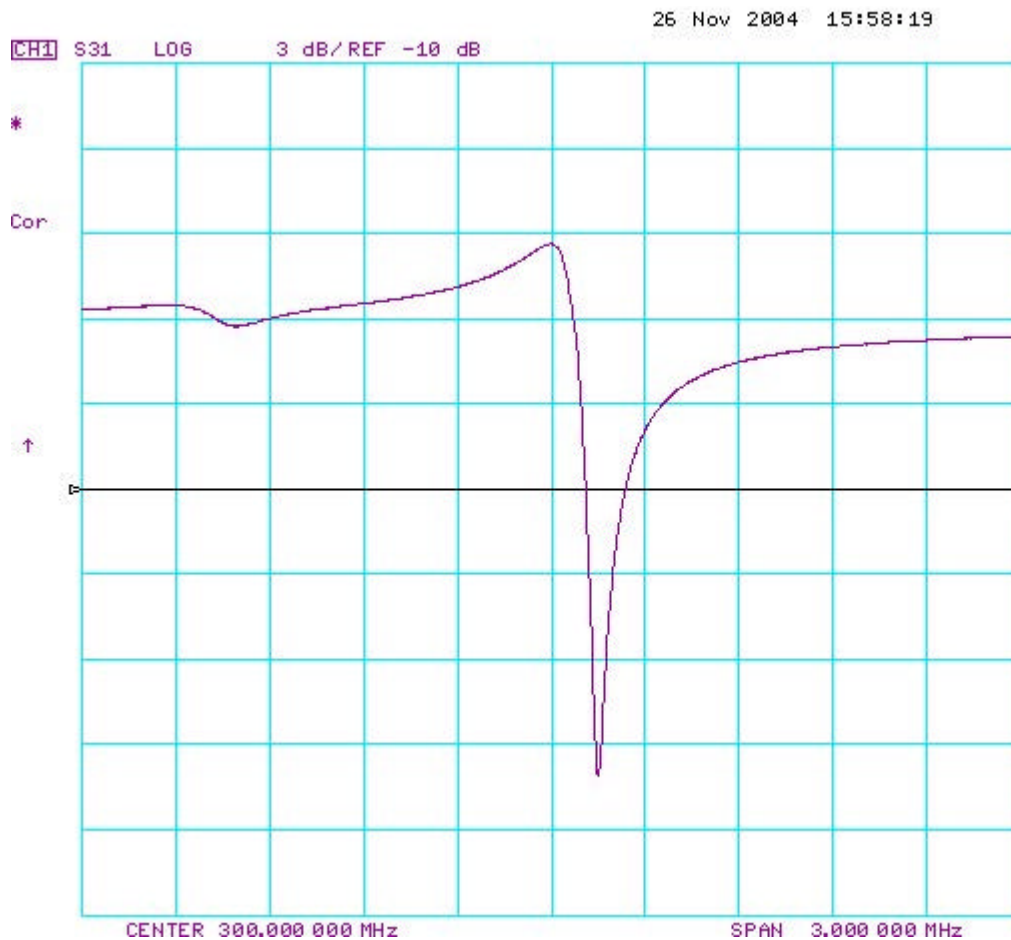
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E. EQUIVALENT CIRCUIT:

One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



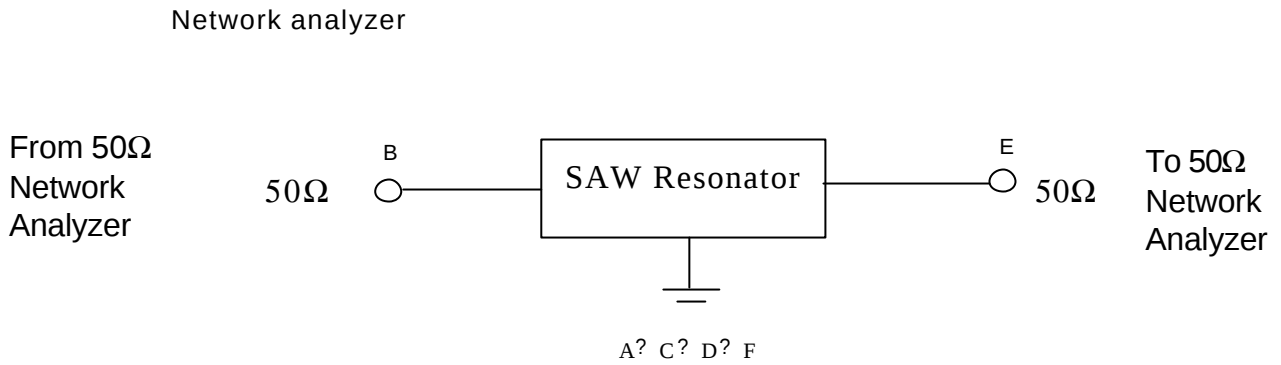
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G. TEST CIRCUIT:



H. PCB FOOTPRINT

