

One-Port SAW Resonator 315.0MHz
Part No: MA07074

Model: TC0166A
Rev No: 2

A. FEATURES:

1-Port Resonator

B. MAXIMUM RATING:

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

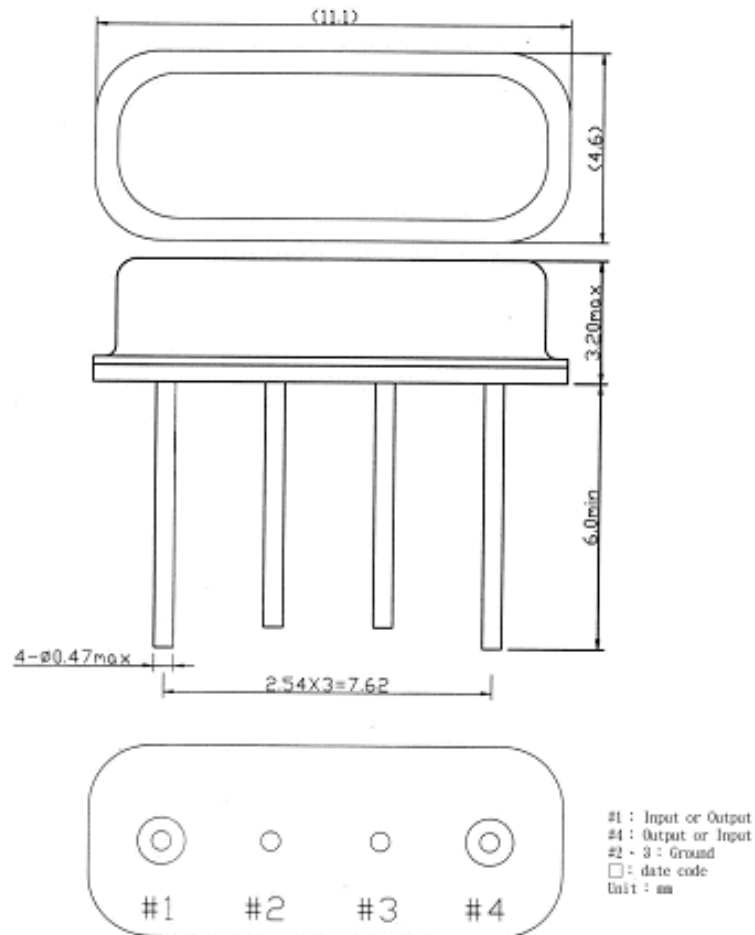
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	314.850	315	315.150
Insertion Loss IL	dB	-	1.0	2.0
Unloaded Quality factor		-	12000	-
Equivalent Elements				
Motional capacitance C1	fF	-	3.53	-
Motional inductance L1	μH	-	72.3	-
Motional resistance R1	Ohm	-	11.8	25
Parallel capacitance Co	pF	-	4.8	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg. C	35	-	65
Package size	F-11			

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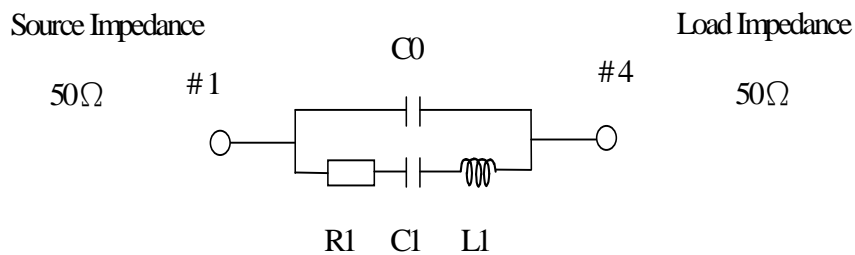
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D. OUTLINE DRAWING:



E. EQUIVALENT CIRCUIT:

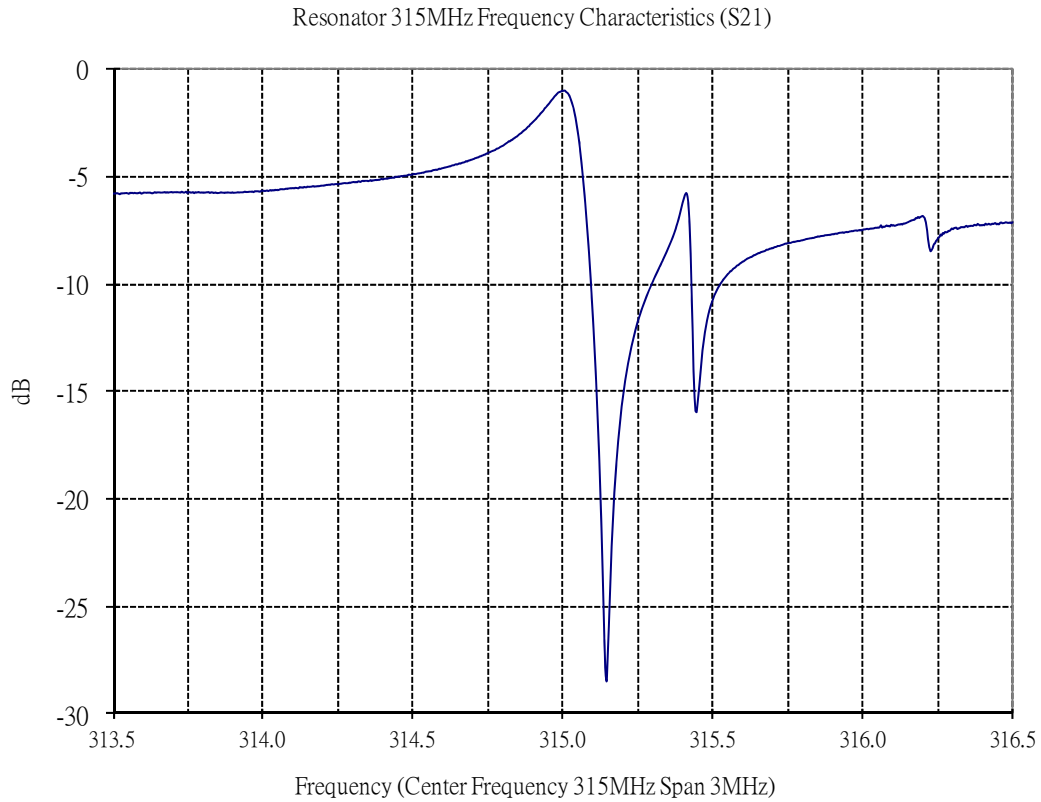
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F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

