Tel: +44 1460 256 100
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www.golledge.com

Golledge Electronics Ltd
Ashwell Park, Ilminster
Somerset, TA19 9DX, UK

SAW Resonator 868.350MHz — Model: TC0144A

Part No: **MA05545** REV. NO.: 2

A. FEATURES:

1. 1-Port Resonator.

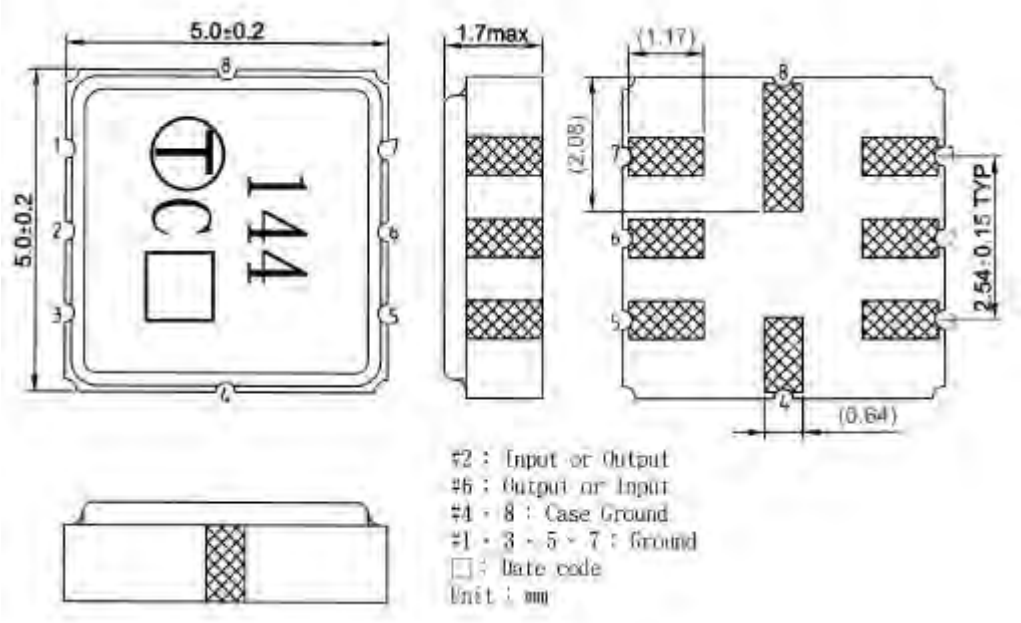
B. MAXIMUM RATING:

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**	868.150	868.350	868.550
Insertion Loss **IL**	**dB**	-	1.3	2.5
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	1.21	-
Motional inductance **L1**	**H**	-	27.66	-
Motional resistance **R1**	**Ohm**	-	17.92	-
Parallel capacitance **Co**	**pF**	-	2.51	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	20	-	50
Package size		SMD 5X5X1.4mm		

D. OUTLINE DRAWING:

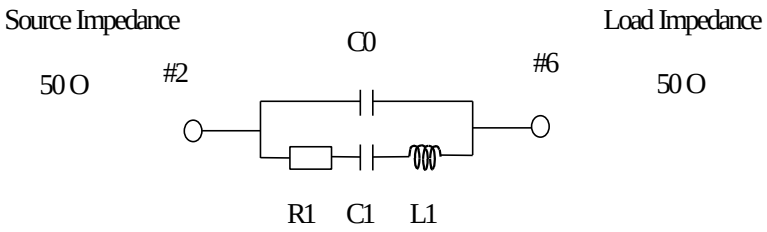


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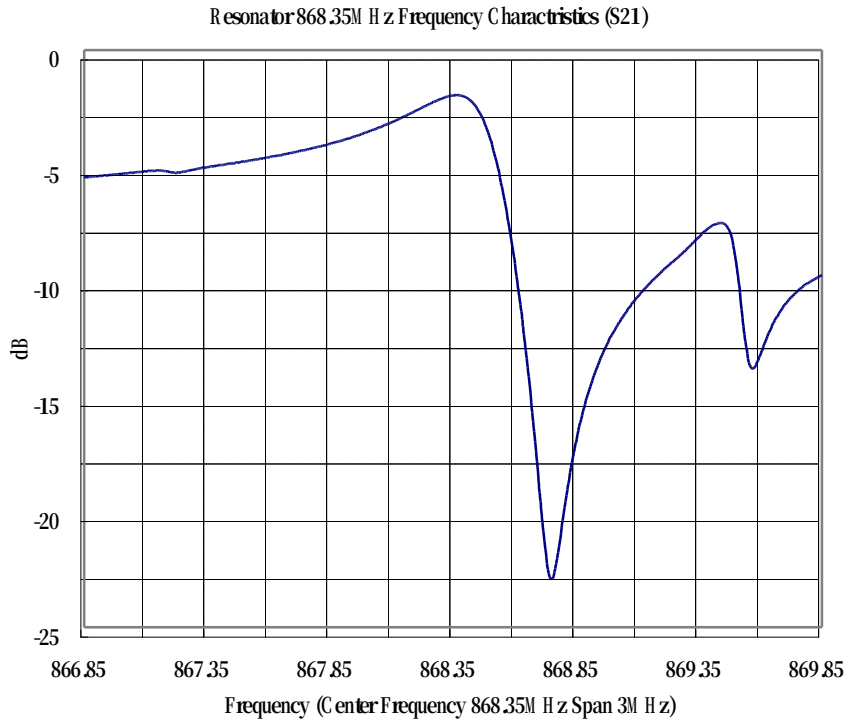
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E. EQUIVALENT CIRCUIT:

One-Port Resonator:

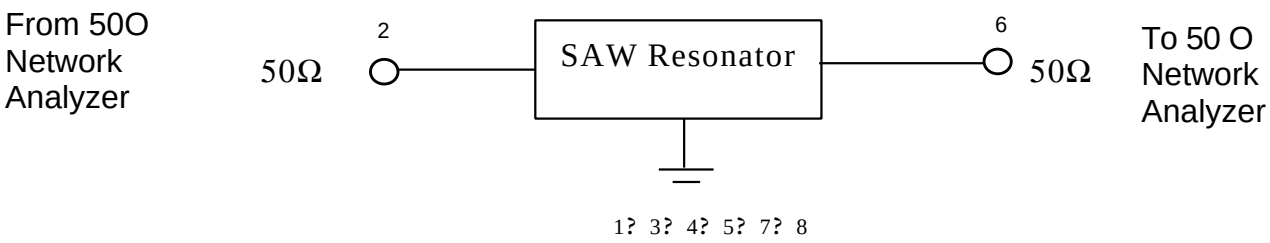


F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:

Network analyzer

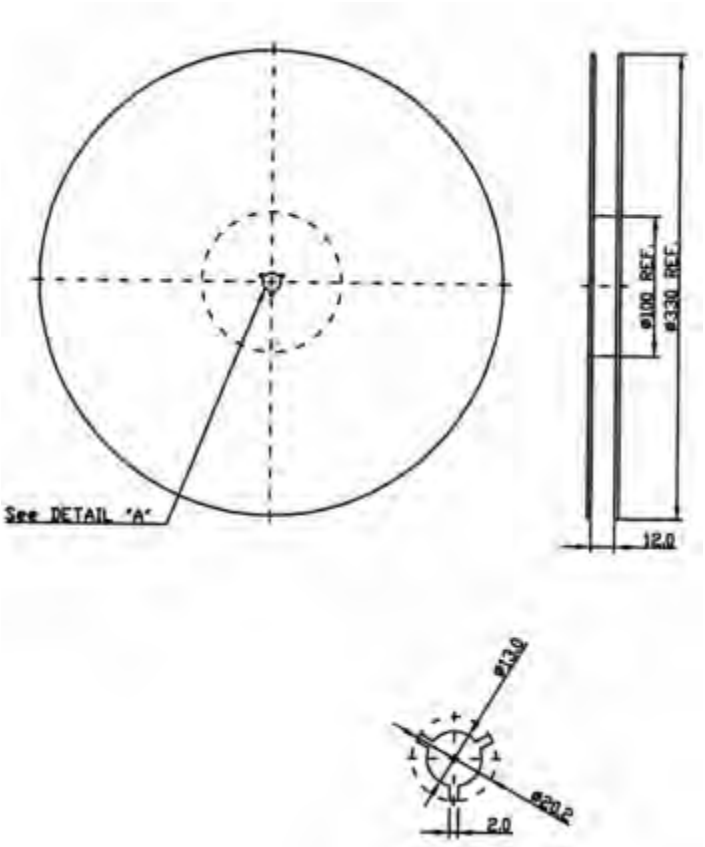


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H. PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION

