

SAW Resonator 916.50MHz

Model: TC0154A

Part No: MA05544

REV. NO.: 1

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

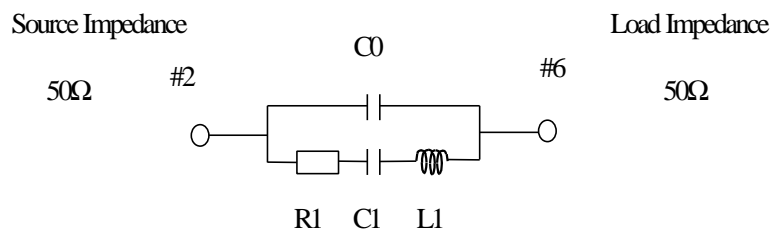
- 1. Input Power Level: 0 dBm
- 2. DC voltage: 12 V
- 3. Operating Temperature: -40°C to +85°C
- 4. Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	916.425	916.5	916.575
Insertion Loss IL	dB	-	1.2	2.5
Unloaded Quality factor Q _U		6000	8000	
Loaded Quality factor Q _L			1000	
Motional capacitance C1	fF	-	1.31	-
Motional inductance L1	H	-	22.96	-
Motional resistance R1	Ohm	-	17.38	-
Parallel capacitance Co	pF	-	2.53	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	25	40	55
Package size		SMD 5X5X1.4mm		

D. EQUIVALENT CIRCUIT:

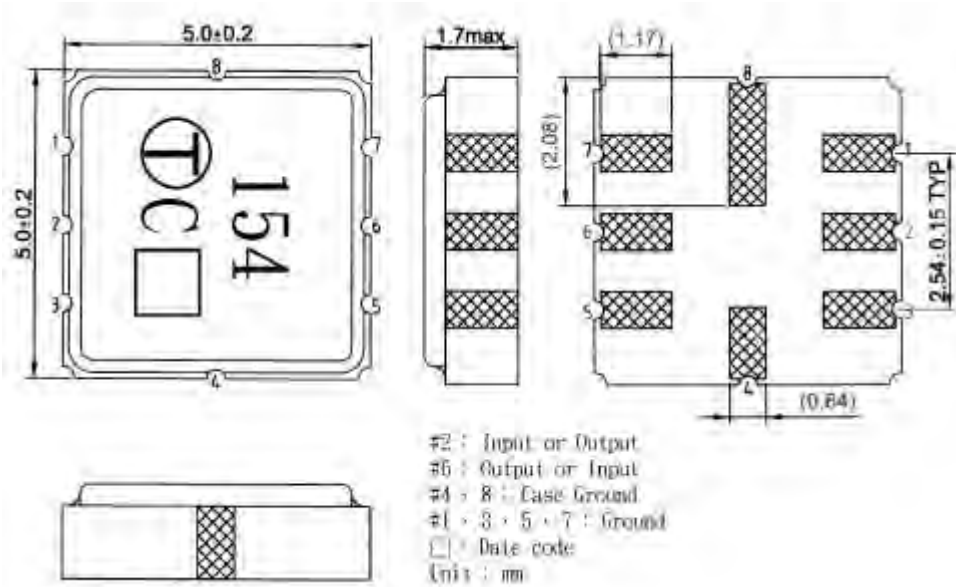
One-Port Resonator:



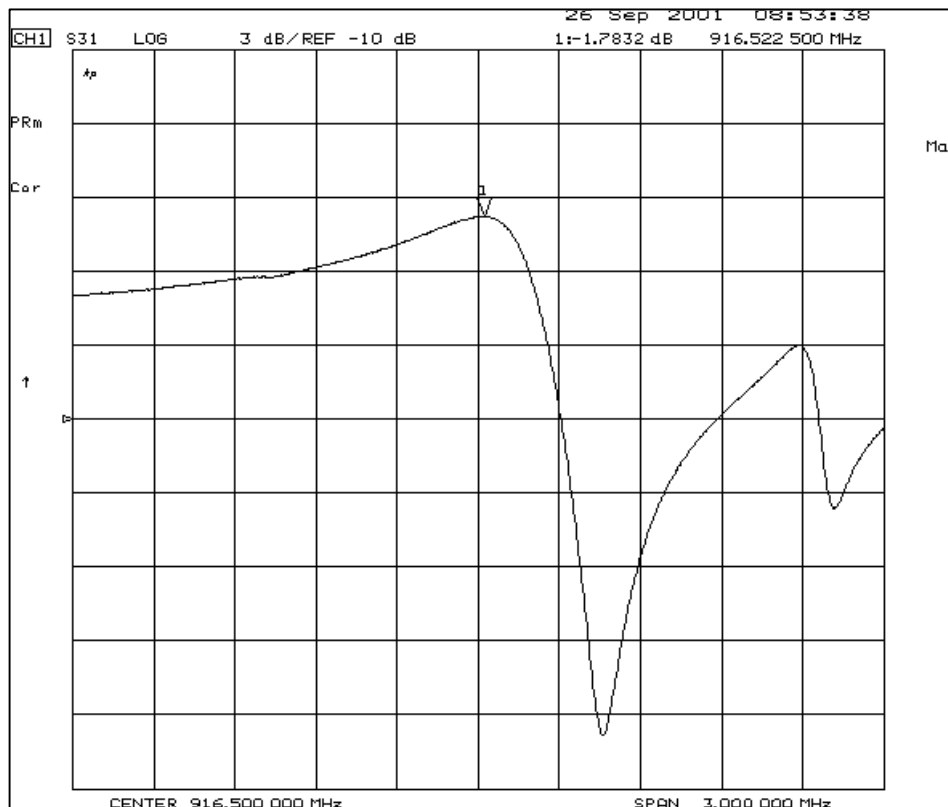
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E. OUTLINE DRAWING:



F. FREQUENCY CHARACTERISTICS:

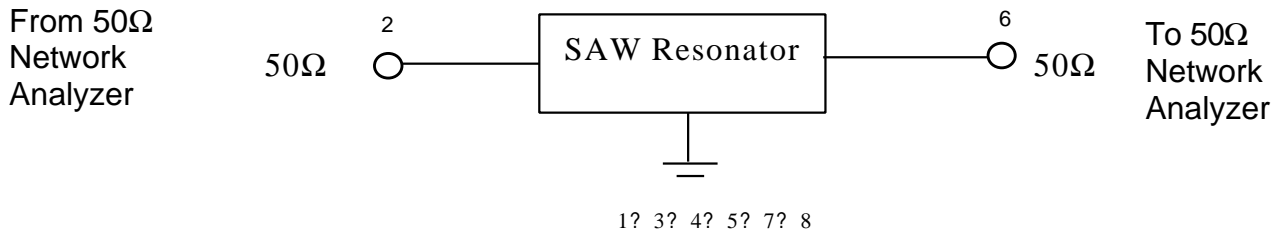


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G. TEST CIRCUIT:

Network analyzer

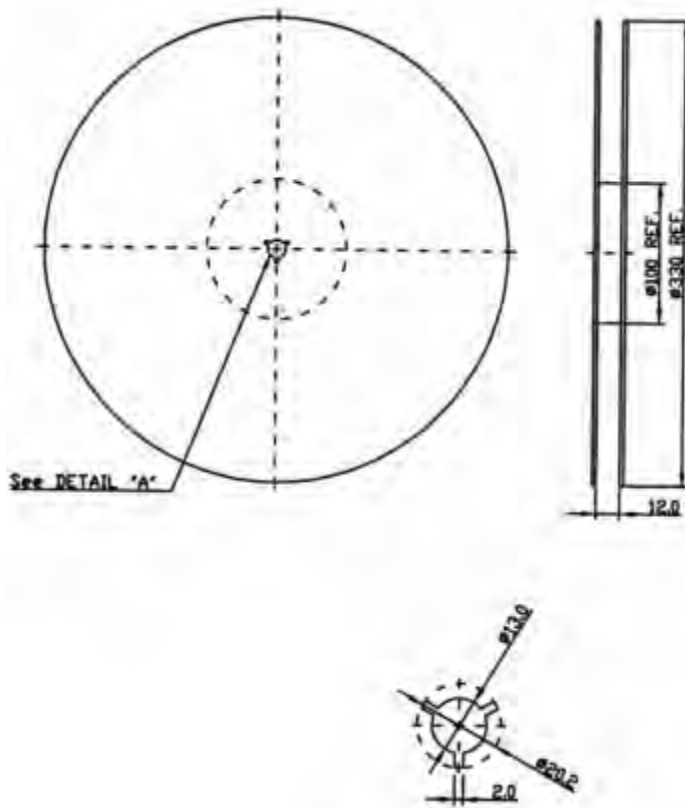


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H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

