

SAW Resonator 403.550MHz

Model: TC0215A

Part No: **MA06348**

REV. NO.: 5

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	403.475	403.550	403.625
Insertion Loss IL	dB	-	0.5	2.0
Unloaded Quality factor, Q_0		-	14400	-
Loaded Quality factor, Q_L		-	1000	-
Frequency aging	ppm/yr			±10
Equivalent Circuit elements				
Motional capacitance C1	fF	-	2.2	-
Motional inductance L1	μH	-	70.6	-
Motional resistance R1	Ohm	-	12.43	19
Parallel capacitance Co	pF	-	3.68	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	°C	10	-	40
Package size		SMD 5X5X1.4mm		

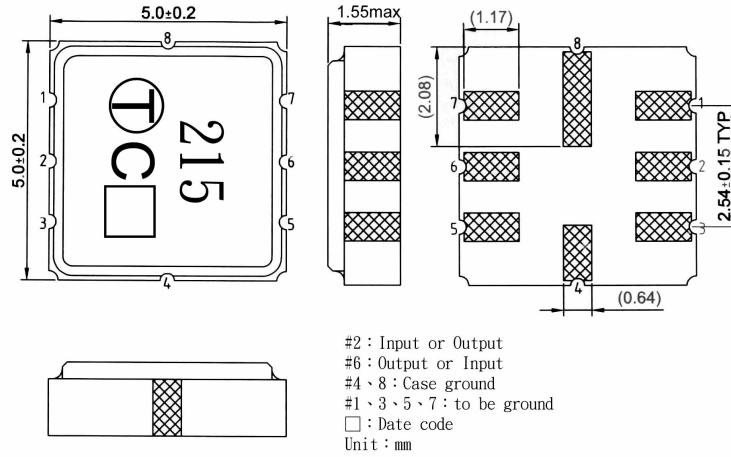
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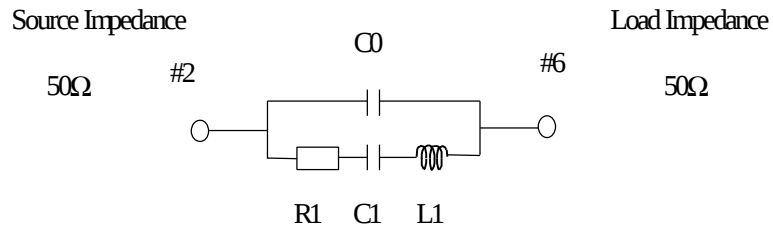
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D. OUTLINE DRAWING:

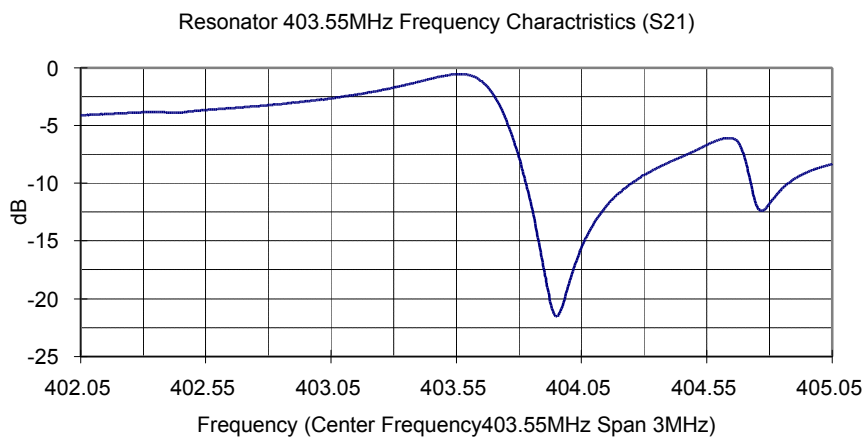


E. EQUIVALENT CIRCUIT:

One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



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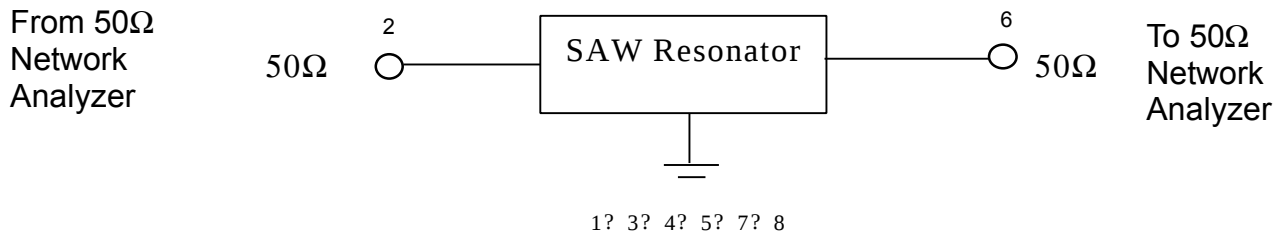
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G. TEST CIRCUIT:

Network analyzer



H. PCB FOOTPRINT

