



SAW Components

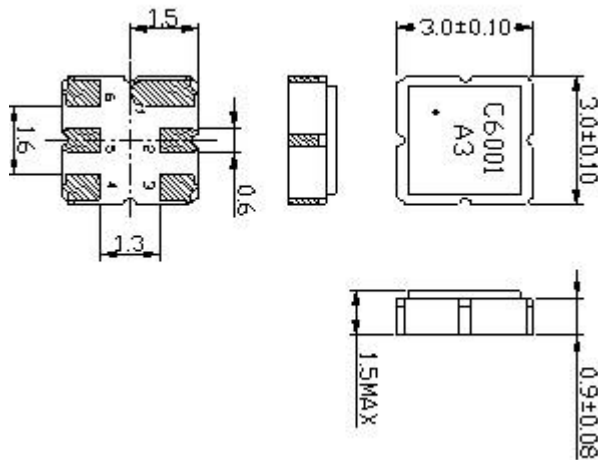
Data Sheet

CQTSR403M55.01

Customer's Approval Certificate	
Complies with Directive 2002/95/EC (RoHS)	
Please return this Page Via email as a certification of Your approval	
Checked & Approval by:	Date:

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1. Package Dimension (3.0x3.0) Unit: mm



Pin No.	Function
2.	Input
5.	Output
Other	Ground

2. Marking

C6001	(1) Model code
A3	(2) Date code

A	3
Month code	Last figure of year

CHINA QUARTZ TECHNOLOGY

Month	1	2	3	4	5	6	7	8	9	10	11	12
Month code	A	B	C	D	E	F	G	H	I	J	K	L

3. Performance

3.1 Application

One-port SAW Resonator for Wireless Remote Controller.

Center frequency: 403.55MHz

3.2 Maximum Rating

Rating		Value	Unit
Operating Temperature Range	T_A	-40 ~ +105	°C
Storage Temperature Range	T_{stg}	-45 ~ +125	°C
DC Voltage (between any Terminals)	V_{DC}	10	V
RF Power (in BW)	P	10	dBm
ESD Voltage (HB)	V_{ESD}	150	V

3.3 Electronic Characteristics

Electrostatic Sensitive Device (ESD)

Item		Units	Minimum	Typical	Maximum
Center Frequency		MHz	403.475	403.55	403.625
Insertion Loss		dB	—	1.7	2.5
Quality Factor	Unloaded Q	—	—	15,000	—
	50Ω Loaded Q	—	—	1,500	—
Temperature Stability	Turnover Temperature	°C	—	25	—
	Turnover Frequency	KHz	—	f_0	—
	Freq. Temp. Coefficient	ppm/°C ²	—	0.032	—
Frequency Aging		ppm/yr	—	<±10	—
DC Insulation Resistance		MΩ	1.0	—	—
RF Equivalent RLC Model	Motional Resistance R_1	Ω	—	15	24
	Motional Inductance L_1	μ H	—	89.27	—
	Motional Capacitance C_1	fF	—	1.74	—
	Shunt Static Capacitance C_0	pF	1.6	1.9	2.2

3.4 Test Circuit

