

- Remote Control, 1-Port SAW Resonator
- Revision 0: March 2014

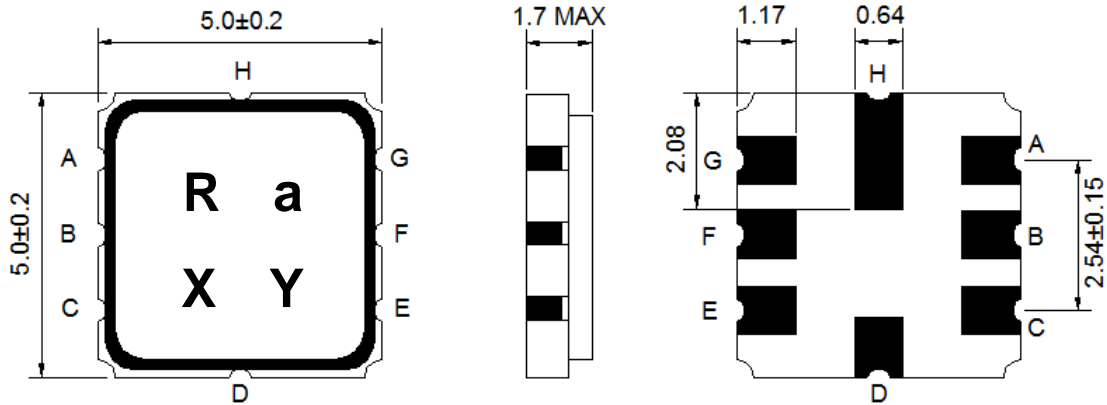
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	12
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	S40			
Length x Width	mm <sup>2</sup>	-	5.0 x 5.0	-
Height	mm	-	-	1.7

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fr)	MHz	433.845	433.92	433.995
Insertion Loss (IL)	dB	-	1.0	2.0
Unloaded Quality factor (Qu)	-	-	14500	-
Loaded Quality factor (QL)	-	-	2500	-
Equivalent Elements				
Motional Capacitance (Cm)	fF	-	2.19	-
Motional Inductance (Lm)	μH	-	61.36	-
Motional Resistance (Rm)	Ω	-	11.803	25
Parallel Capacitance (Co)	pF	-	3.3	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	20	-	50

**Notes:** (1) No Matching Network .

## Package Dimensions



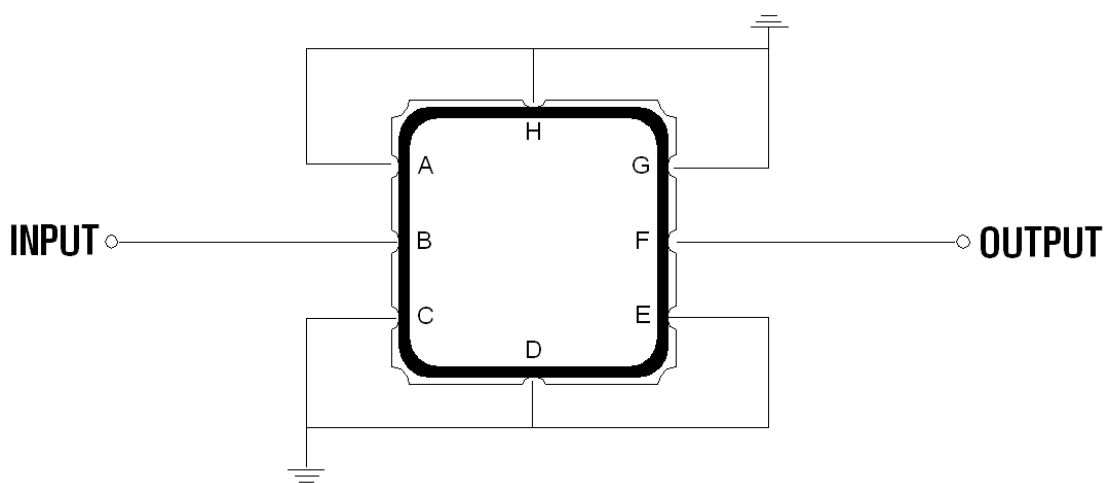
### Marking Descriptions

R	Resonator Application
a	Series Number
X	Date Code (Year)
Y	Date Code (Month)

### Pin Description

A, C, E, G	Ground
D, H	Case Ground
B	In or Out
F	Out or In

## Testing Environment



Source & Load Impedance: 50  $\Omega$

**Frequency Characteristics**

**Frequency Response**

