

- Remote Control, 1-Port SAW Resonator
- Revision 0: December 2012

## Electrical Characteristics

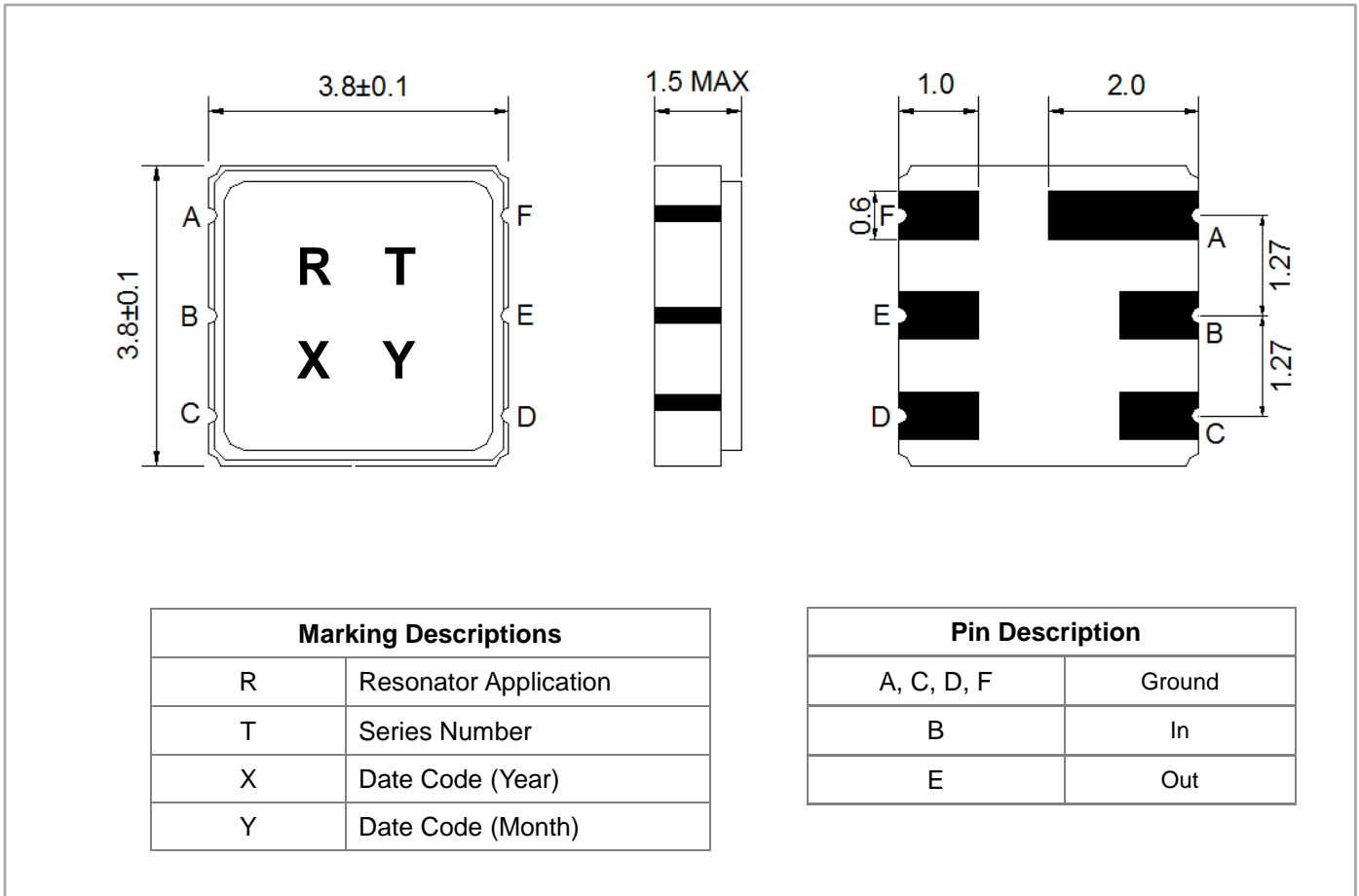
MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	12
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	S30			
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height	mm	-	-	1.5

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fc)	MHz	622.270	622.310	622.340
Insertion Loss (IL)	dB	-	1.0	2.0
Unloaded Quality Factor (Qu)	-	6000	7000	-
Equivalent Elements				
Motional Capacitance (C1)	fF	-	1.85	-
Motional Inductance (L1)	μH	-	35.38	-
Motional Resistance (R1)	Ω	-	14.19	-
Parallel Capacitance (Co)	pF	-	2.99	-
Frequency Temperature coefficient(TC <sub>f</sub> )	ppm/c*2	-	0.032	-
Turnover To	deg.C	10	25	40

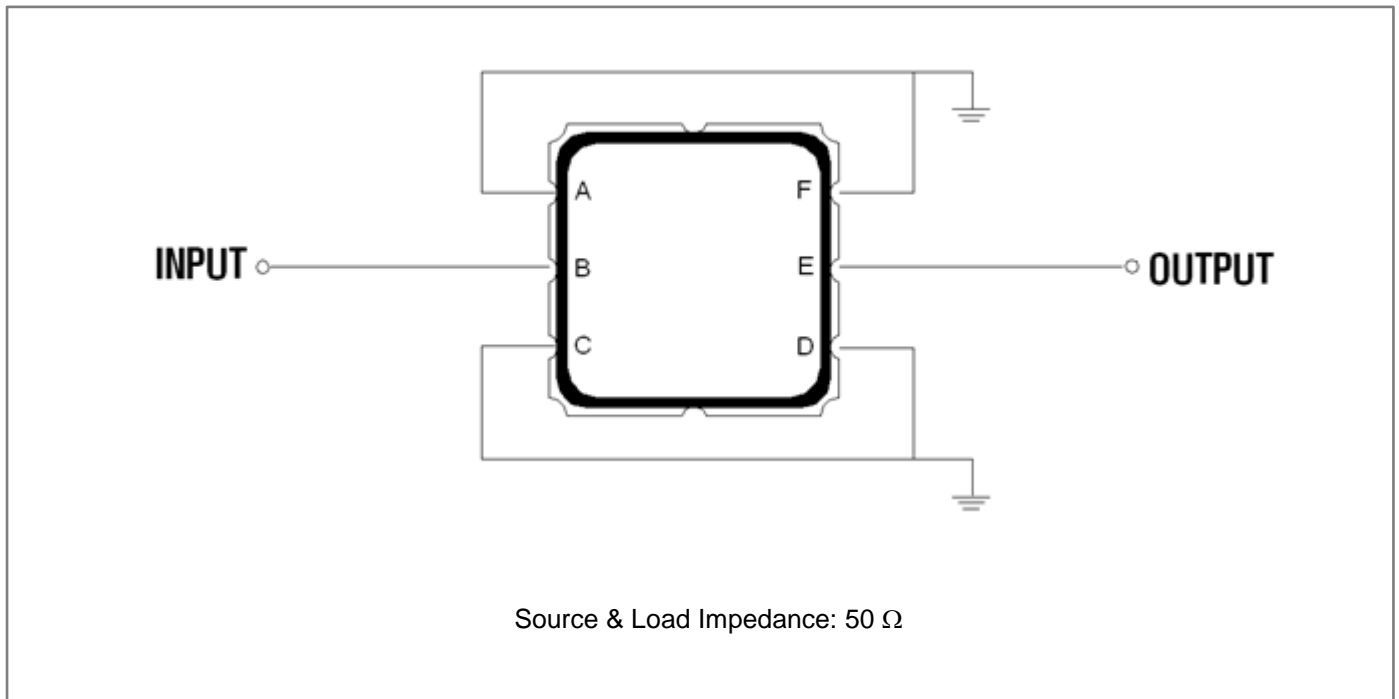
**Notes:** (1) No Matching Network

\*Temperature dependence of fc:  $f_c(TA)=f_c(TO)(1+TC_f(TA-TO)^2)$

## Package Dimensions



## Testing Environment



**Frequency Characteristics**

**Frequency Response**

