



Total Solution Provider in Saw Device

SR-062201-S30

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



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

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) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S30			
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	-	1.5

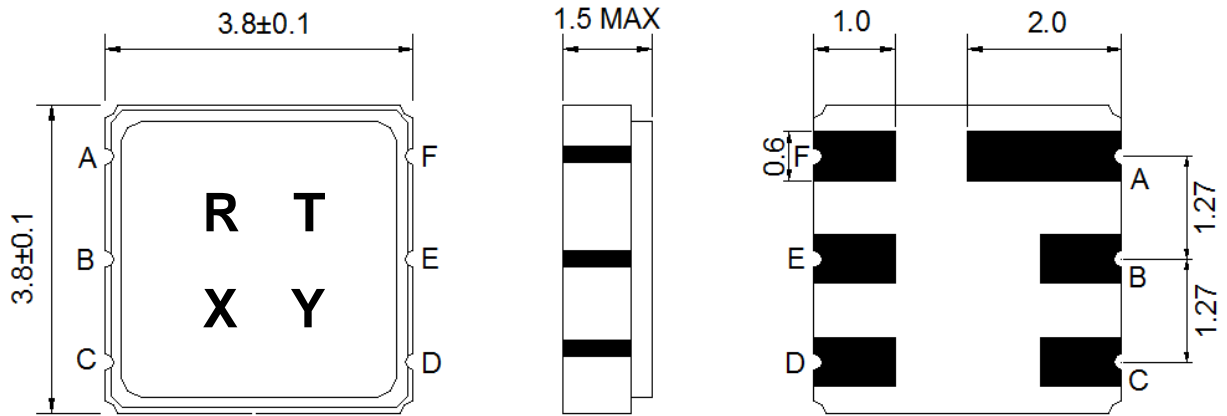
Electrical Specification

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 _f)	ppm/c*2	-	0.032	-
Turnover To	deg.C	10	25	40

Notes : (1) No Matching Network .

*Temperature dependence of fc: $fc(T_A)=fc(T_O)(1+TC_f(T_A-T_O)^2)$

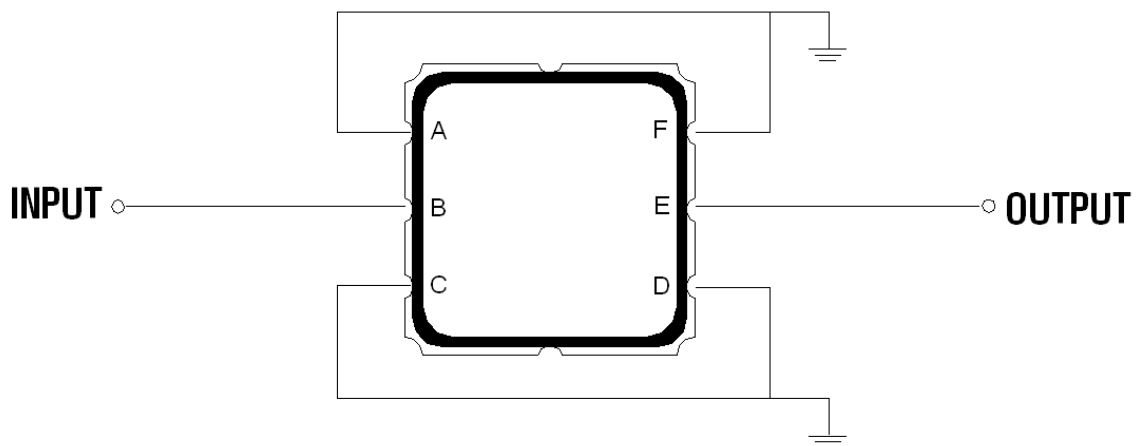
□ Package Dimensions



Marking Descriptions	
R	Resonator Application
T	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
A, C, D, F	Ground
B	Input
E	Output

□ Testing Environment



Source & Load Impedance: 50Ω

□ Frequency Characteristics

Frequency Response

