



Total Solution Provider in Saw Device

SR915AK

1-Port SAW Resonator
Revision 0: July 2008



- Electrical Characteristics
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-

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Electrical Characteristics

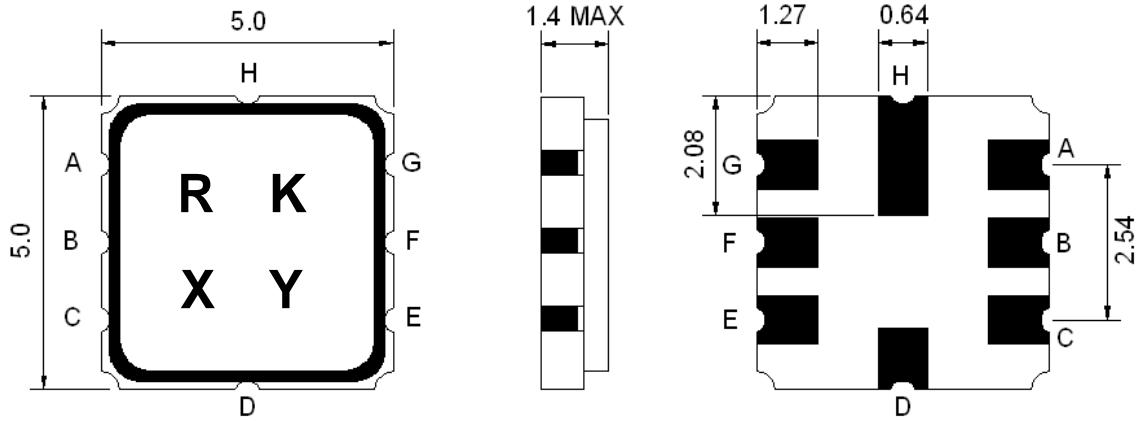
Maximum Ratings

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	K			
Length x Width	mm ²	-	5.0 x 5.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fc)	MHz	914.850	915.0	915.150
Insertion Loss	dB	-	1.1	2.0
Unloaded quality factor Qu	-	5000	6200	-
Aging of fc	ppm/yr	-	-	<±10
Motional Capacitance C1	fF	-	1.39	-
Motional Inductance L1	μH	-	21.8	-
Motional Resistance R1	Ω	-	20.3	-
Parallel capacitance Co	pF	-	2.6	-
Frequency Temperature coefficient(TC _f)	Ppm/c*2	-	0.032	-
Turnover To	deg.C	10	25	40

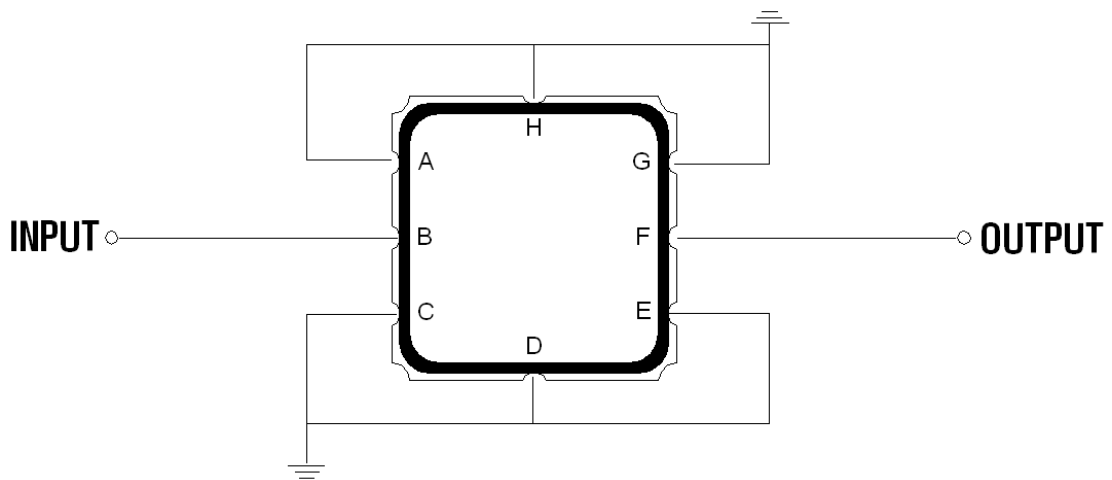
□ Package Dimensions



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

Pin Description	
A, C, D, E, G, H	Ground
B	In
F	Out

□ Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

