



Total Solution Provider in Saw Device

SR868AK

Remote Control, 1-Port SAW Resonator
Revision 0: March 2005



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

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□ Electrical Characteristics

Maximum Ratings

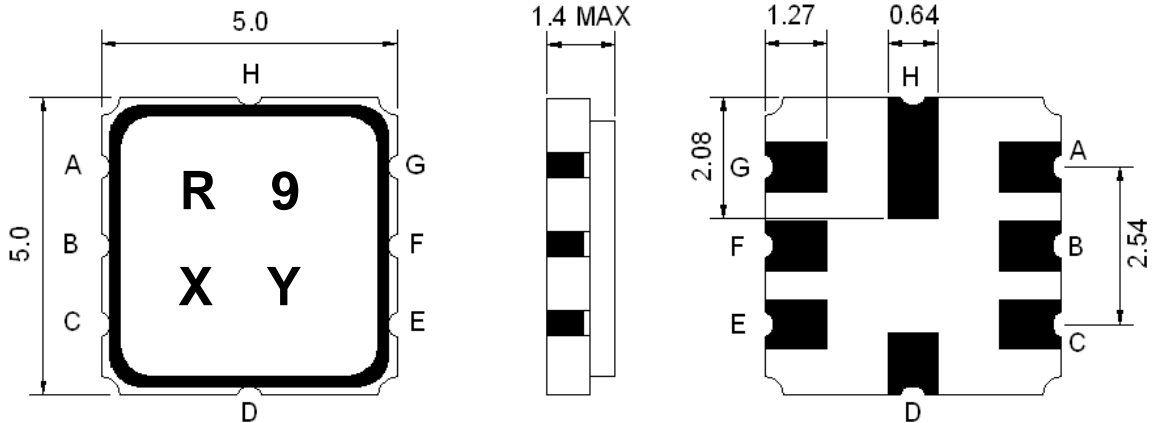
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	12
Maximum Input Power	dBm	-	-	0
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	K			
Length x Width	mm ²	-	5.0 x 5.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fr)	MHz	868.225	868.300	868.375
Insertion Loss	dB	-	1.3	2.5
Equivalent Elements				
Motional Capacitance (Cm)	fF	-	1.24	-
Motional Inductance (Lm)	μH	-	27.20	-
Motional Resistance (Rm)	Ω	-	17.56	-
Parallel Capacitance (Co)	pF	-	2.52	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	20	-	50

Notes : (1) No Matching Network .

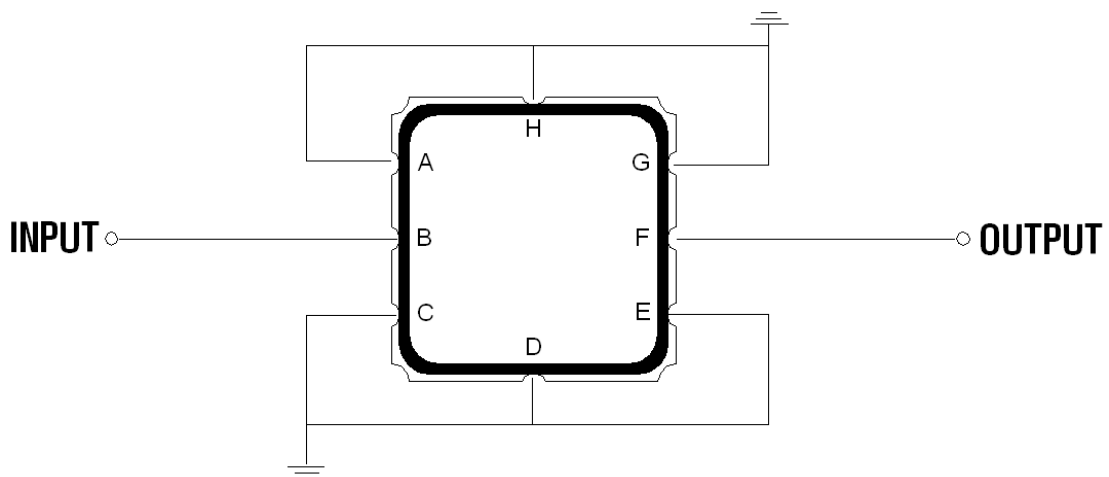
Package Dimensions



Marking Descriptions	
R	Resonator Application
9	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

