



*Total Solution Provider in Saw Device*

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# SR433DK

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



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

### Maximum Ratings

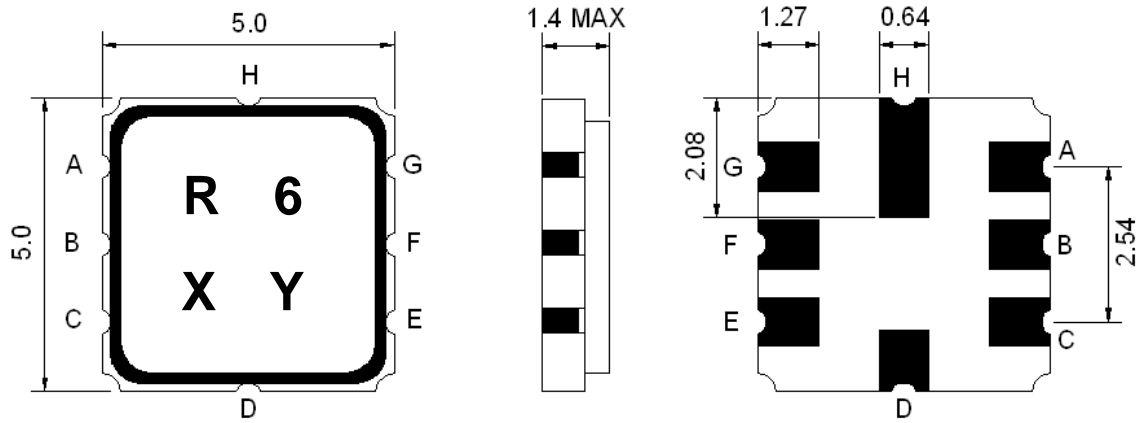
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-	-	-
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	-
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	K			
Length x Width	mm <sup>2</sup>	-	5.0 x 5.0	-
Height	mm	-	-	1.4

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fr)	MHz	433.845	433.92	433.995
Insertion Loss	dB	-	1.2	2.0
<b>Equivalent Elements</b>				
Motional Capacitance (Cm)	fF	-	1.56	-
Motional Inductance (Lm)	μH	-	86	-
Motional Resistance (Rm)	Ω	-	18	26
Parallel Capacitance (Co)	pF	1.7	2.0	2.3
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	39	-

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

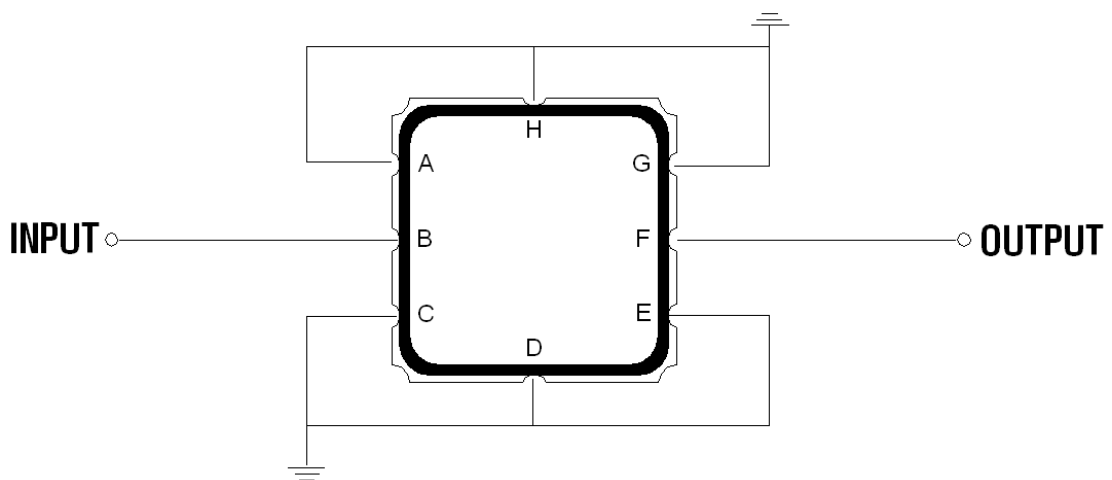
**□ Package Dimensions**



Marking Descriptions	
R	Resonator Application
6	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

