

- Remote Control, RF SAW Filter
- Revision0: August 2011

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	-	-	10
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	-	-	1.7

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	916.3	-
Minimum insertion loss(IL)				
Exclude loss in matching elements *1)	dB	-	3.0	4.0
Incl. loss of matching elements(Q=62) *2)	dB	-	4.2	5.0
3dB Bandwidth	MHz	-	1.2	-
Attenuation(relative to ILmin) *1)				
Fc -1.3MHz	dB	25	31	-
Fc -10.7MHz	dB	35	41	-
Fc -21.4MHz	dB	35	43	-

Notes: (1) With Matching Network .

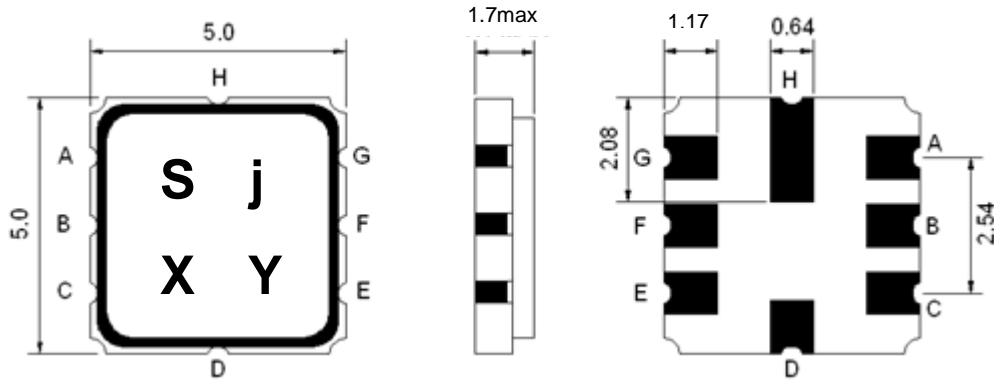
*1) : The matching circuit is ideal by simulation.

*2) : The matching circuit is real by actual passive components.

0805 Coilcraft CS series chip conductor is used for inductor.

0402 muRata GRM series is used for capacitor.

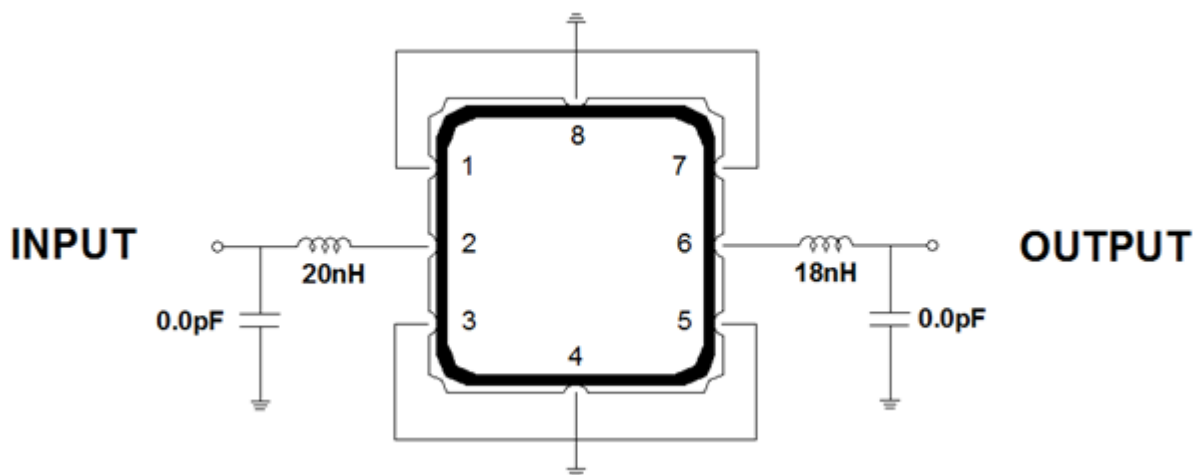
Package Dimensions



Marking Descriptions	
S	TCRF Application
j	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



Inductor, Capacitor: Ideal value

Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response

