

- Remote Control, RF SAW Filter
- Revision 1: September 2012

Electrical Characteristics

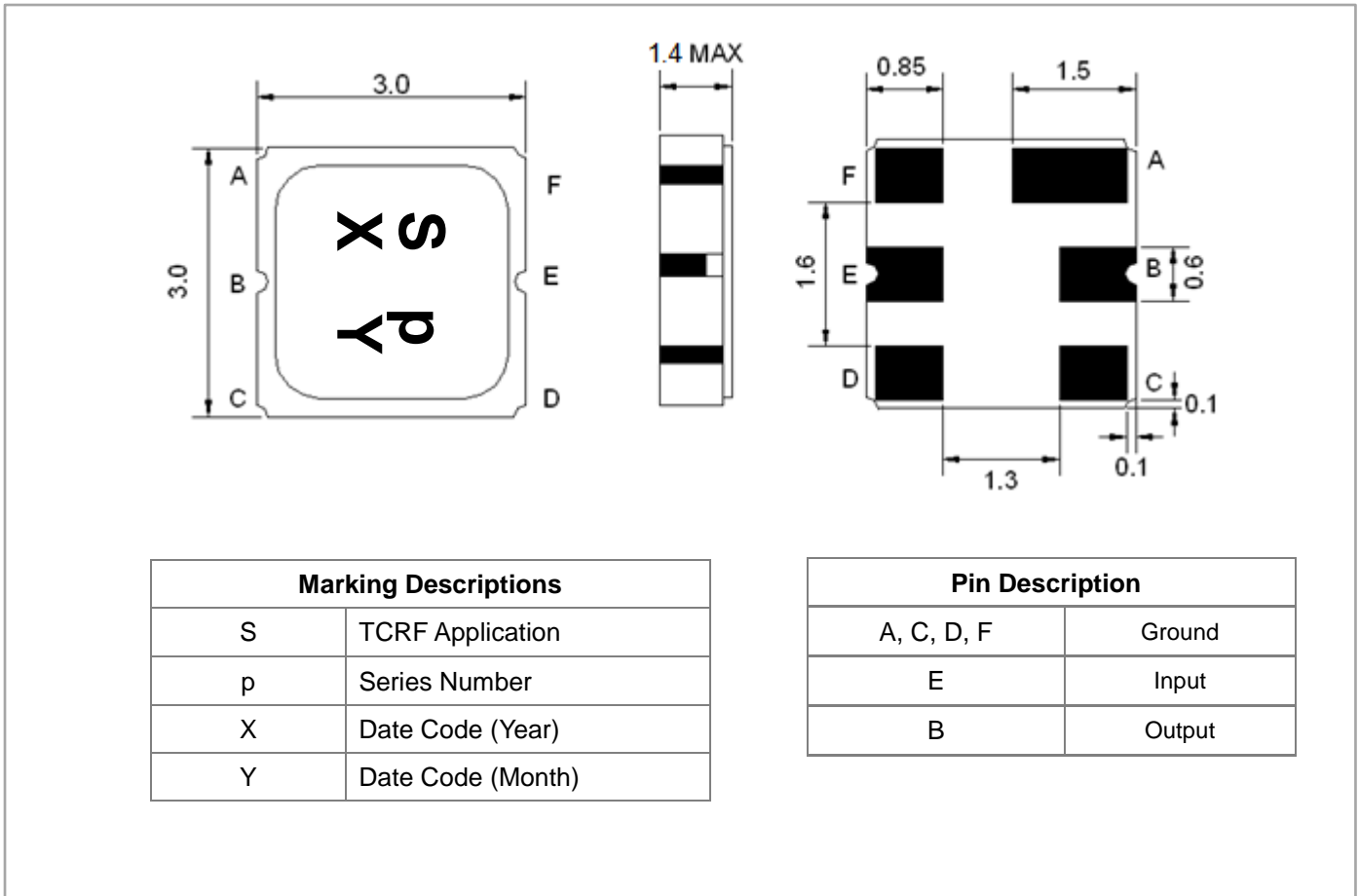
MAXIMUM RATINGS				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	6
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	S20			
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.4

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	915.0	-
3dB Bandwidth	MHz	-	2.0	-
Minimum Insertion Loss (ILmin)				
Exclude loss in matching elements *1)	dB	-	2.7	4.0
Incl. loss of matching elements(Q=89) *2)	dB	-	3.9	5.0
Passband (relative to ILmin) *1)				
914.50 ~ 915.50 MHz	dB	-	0.4	2.5
914.30 ~ 915.70 MHz	dB	-	1.0	5.0
Group Delay Variation at Fo ± 1.0MHz	nsec	-	150	400
Attenuation (relative to ILmin) *1)				
10.0 ~ 830.0 MHz	dB	47	53	-
830.0 ~ 890.0 MHz	dB	41	46	-
890.0 ~ 903.0 MHz	dB	36	42	-
903.0 ~ 911.0 MHz	dB	19	28	-
920.0 ~ 923.0 MHz	dB	19	28	-
923.0 ~ 943.0 MHz	dB	19	24	-
943.0 ~ 1000.0 MHz	dB	37	43	-
1000.0 ~ 2500.0 MHz	dB	43	48	-

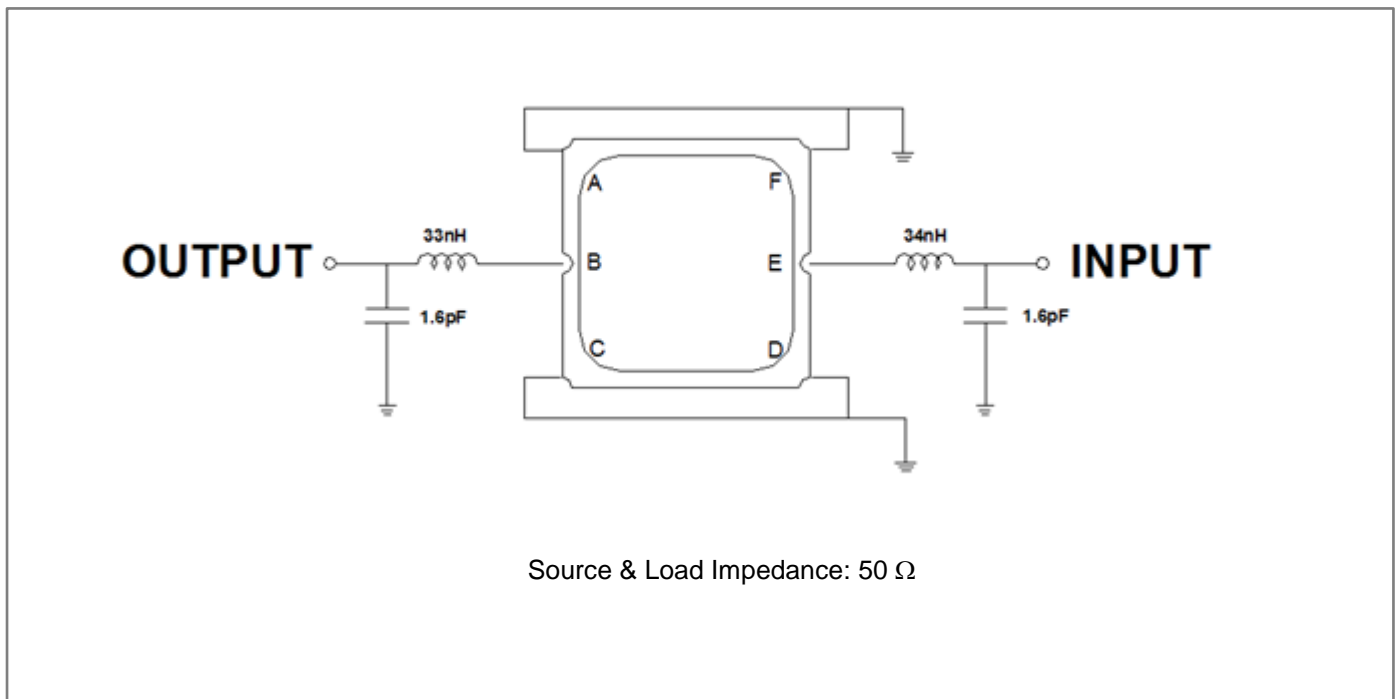
Notes: (1) With Matching Network

- *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

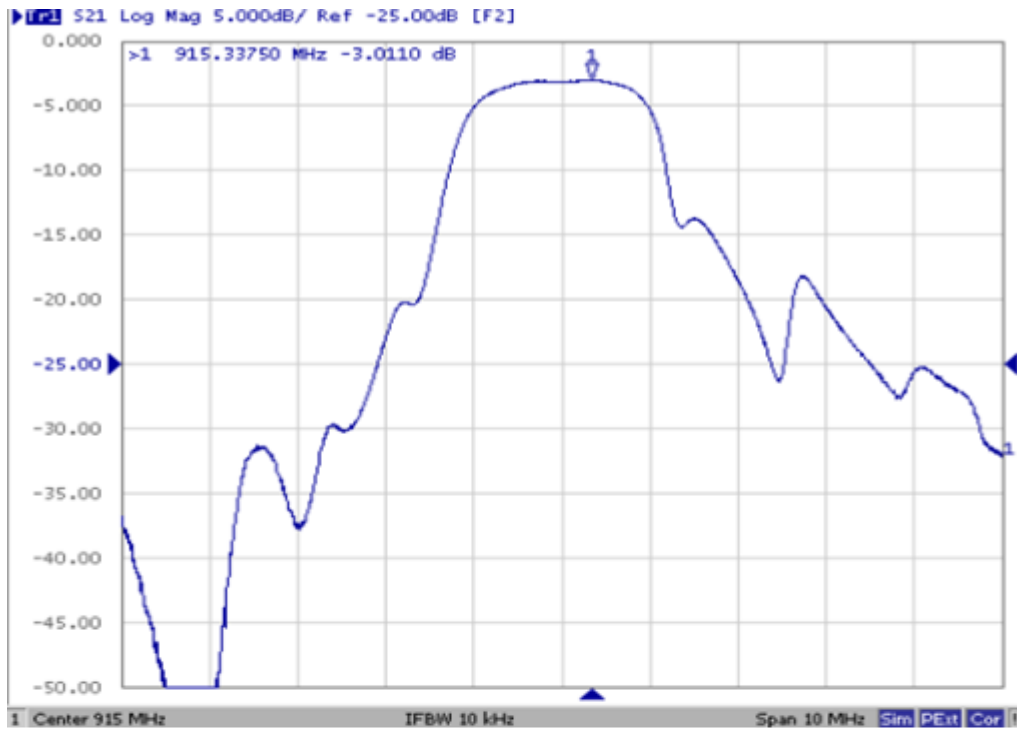


Testing Environment



Frequency Characteristics

Frequency Response



Frequency Response

