

RADITEK INC.

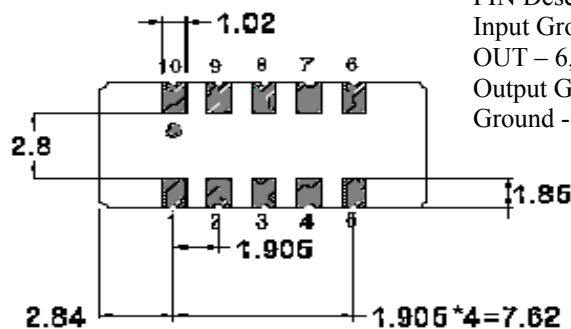
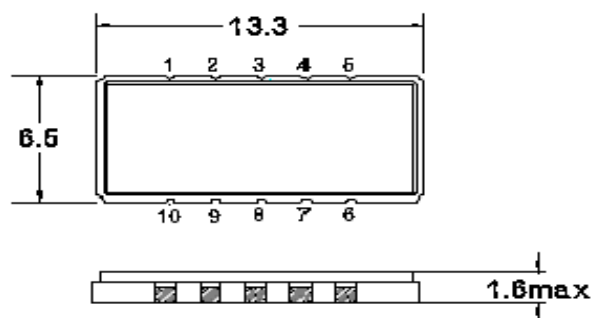
Surface Acoustic Wave (SAW) Band Pass Filter

code-k

70.91-71.09MHz, Surface Mount

RSAW-BPF-70.91-71.09M-1306-S-k

FOR WI-MAX APPLICATIONS



PIN Descriptions: IN – 1,
Input Ground or Balanced – 10,
OUT – 6,
Output Ground or Balanced – 5
Ground - 2, 3, 4, 7, 8, 9

Specifications	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	71.00	-
Insertion Loss at Fo	dB	-	6.0	8.0
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Temperature Coefficient	ppm/°C	-	-0.03	-
Amplitude Ripple				
Fo $\pm$ 90KHz	dBp-p	-	0.75	1.50
Fo $\pm$ 120KHz	dBp-p	-	1.50	3.00
Group Delay Ripple				
Fo $\pm$ 90KHz	usec	-	0.65	1.00
Relative Attenuation				
10MHz ~ Fo-700KHz	dB	40	43	-
Fo -700KHz ~ Fo -550KHz	dB	30	40	-
Fo -550KHz ~ Fo -350KHz	dB	22	30	-
Fo -350KHz ~ Fo -250KHz	dB	5	9	-
Fo+250KHz ~ Fo+350KHz	dB	5	9	-
Fo+350KHz ~ Fo +550KHz	dB	22	29	-
Fo+550KHz ~ Fo +700KHz	dB	30	40	-
Fo+700KHz ~ 130MHz	dB	40	43	-
Package Type & Size		V1		
Length x Width	mm ²	-	13.3X6.5	-
Height	mm	-	-	1.5

Notes: (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

RSAW-BPF-70.91-71.09M-1306-S-k Specifications may be subject to change

02/04/09

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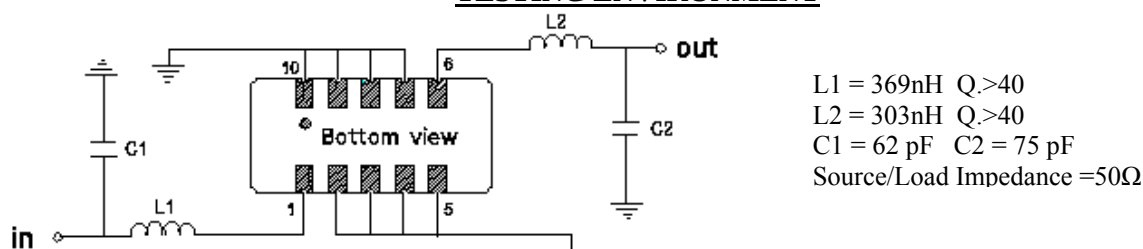
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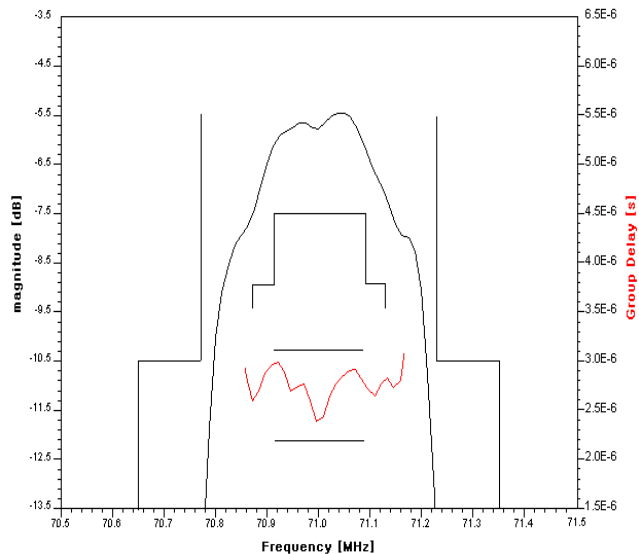
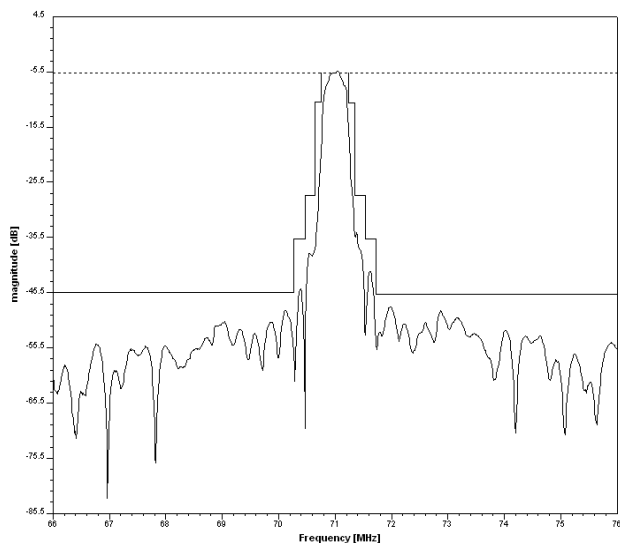
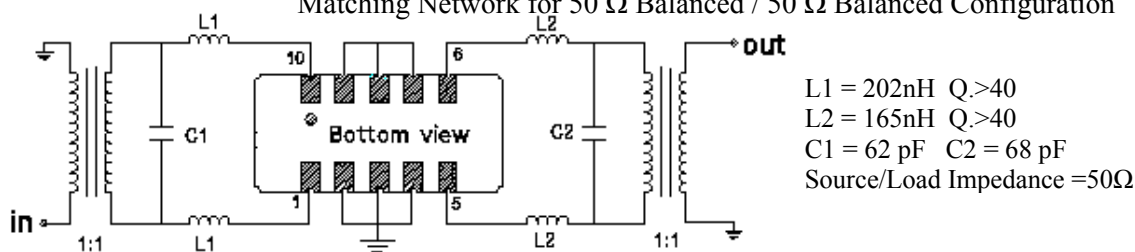
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FOR WI-MAX APPLICATIONS

TESTING ENVIRONMENT



Matching Network for 50 Ω Balanced / 50 Ω Balanced Configuration



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