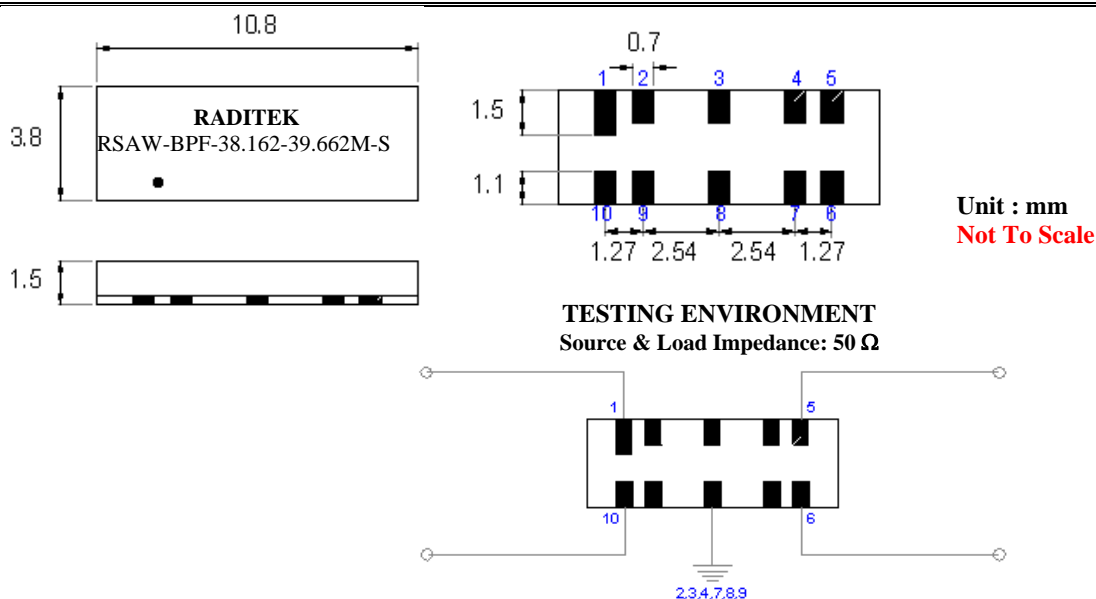


# RADITEK INC.

## Surface Acoustic Wave (SAW) Band Pass Filter If Saw Filter for DAB Applications RSAW-BPF-38.162-39.662M-1003-S-k

code-k



Specifications	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	38.912	-
Insertion Loss at Fo	dB	-	17.0	19.0
Source Impedance (single ended or Balanced) <sup>(1)</sup>	Ω	-	50/2000	-
Load Impedance (single ended or Balanced) <sup>(1)</sup>	Ω	-	50/2000	-
Temperature Coefficient	ppm/°C	-	-20	-
Operating Temperature	°C	-30		+85
Storage Temperature	°C	-40		+85
Bandwidth at -3.0 dB	MHz	-	1.5	-
Bandwidth at -30.0 dB	MHz	-	2.7	-
<b>Relative Attenuation:</b>				
30.00 MHz .... 36.26 MHz	dB	40	45	-
36.26 MHz .... 37.30 MHz	dB	40	48	-
40.60 MHz .... 41.40 MHz	dB	40	48	-
41.40 MHz .... 50.00 MHz	dB	40	50	-
Group Delay Variation	ns	-	80	200
Absolute Delay at Fo	μs	-	1.36	-
Package type & size	U1			
Length x Width	mm <sup>2</sup>	-	10.8 x 3.8	-
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-38.162-39.662M-1003-S-k

**Specifications may be subject to change**

02/04/09

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### FREQUENCY CHARACTERISTICS

#### - S21 Frequency Response



#### Group Delay Variation

