

RADITEK INC.

Surface Acoustic Wave Band Pass Filter 698-806MHz, Model 3838, Surface Mount RSAW-BPF-698-806M-3838-S-g2

code-g2

ELECTRICAL SPECIFICATIONS:

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	800.00	-
Usable Bandwidth	MHz	-	±2.0	-
Insertion Loss (within $F_c \pm 2.0$ MHz)	dB	-	1.8	3.5
Amplitude Variation (p-p) (within $F_c \pm 2.0$ MHz)	dB	-	-	1.0
Absolute Attenuation				
$F_c - 200.0 \dots F_c - 40.0$ MHz	dB	45	55	-
$F_c + 30.0 \dots F_c + 70.0$ MHz		20	25	-
$F_c + 70.0 \dots F_c + 200.0$ MHz		45	55	-
Terminating Impedance	Ω	50		
Input Power Level	dBm	15		
DC Voltage	V	12		
Storage Temperature	°C	-40 to +85		
Operating Temperature	°C	-10 to +65		

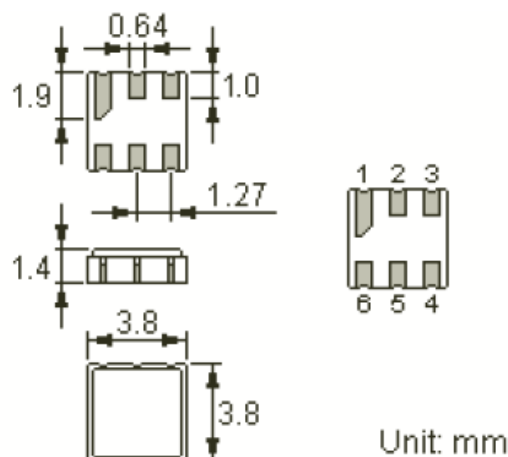
1. The frequency f_c is defined as the midpoint between the 3dB frequencies.
2. Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture that is connected to a 50 Ω test system with VSWR \leq 1.2:1. The test fixture L and C are adjusted for minimum insertion loss at the filter center frequency, f_c . Note that insertion loss, bandwidth, and passband shape are dependent on the impedance matching component values and quality.
3. Unless noted otherwise, specifications apply over the entire specified operating temperature range.
4. The specifications of this device are based on the test circuit shown above and subject to change or obsolescence without notice.
5. All equipment designs utilizing this product must be approved by the appropriate government agency prior to manufacture or sale.
6. Our liability is only assumed for the Surface Acoustic Wave (SAW) component(s) per se, not for applications, processes and circuits implemented within components or assemblies.

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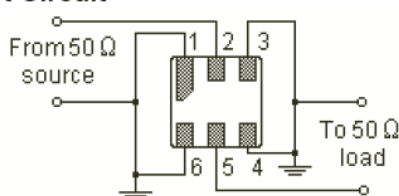
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PACKAGE DIMENSIONS:

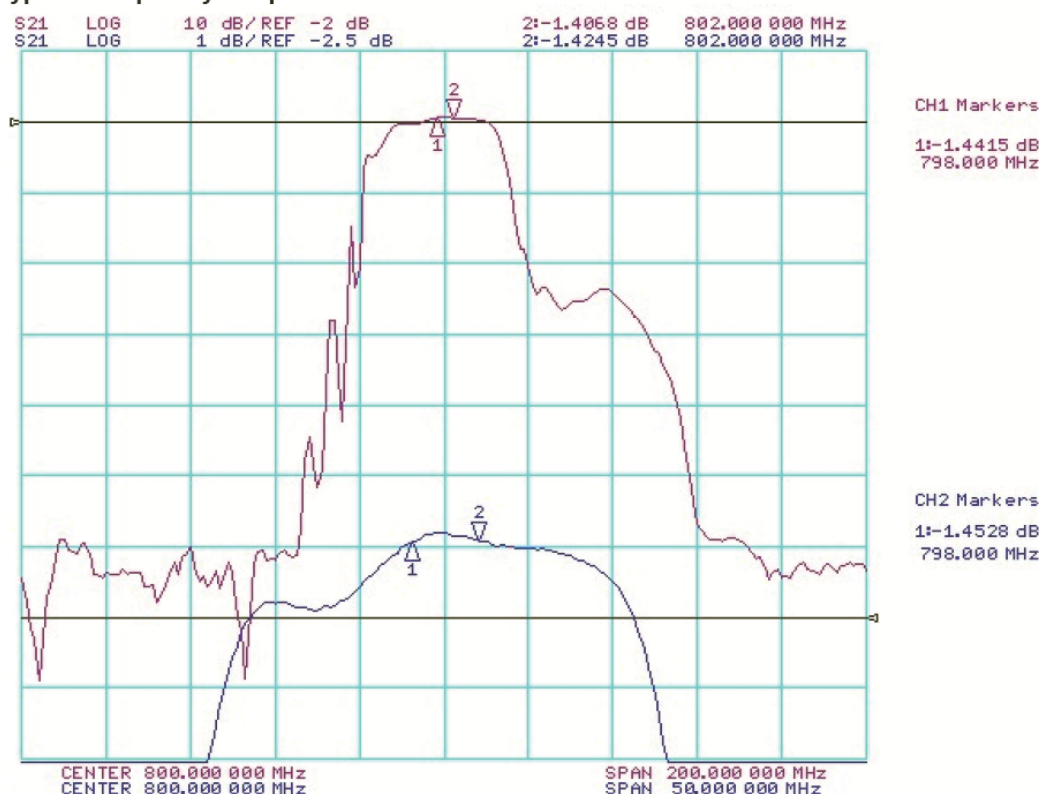


Pin	Configuration
2	Input / Output
5	Output / Input
1, 3, 4, 6	Ground

Test Circuit



Typical Frequency Response



RSAW-BPF-698-806M-3838-S-g2

Specifications may be subject to change

02/18/09

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