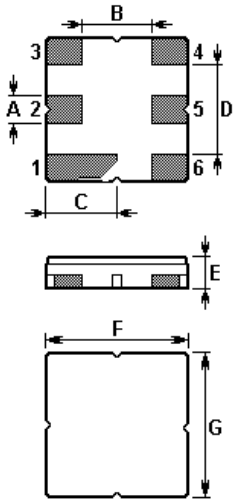
Tel : +44 118 979 1238
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The **ACTF8002/864.0/DCC6C** is a low-loss, compact, and economical surface-acoustic-wave (**SAW**) RF filter in a surface-mount ceramic **DCC6C** case for wireless audio application. It provides Low amplitude ripple and high image frequency suppression.

1.Package Dimensions (DCC6C)

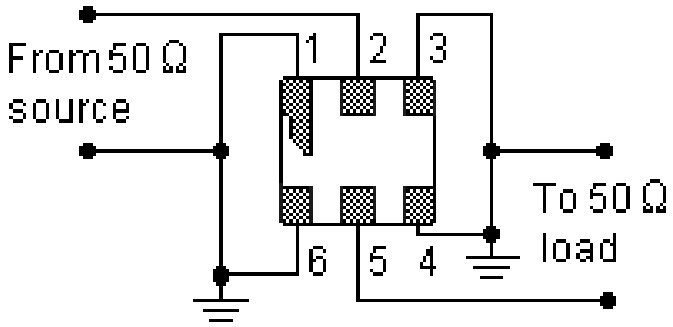


2.

Pin	Configuration
2	Input / Output
5	Output / Input
others	Case Ground

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	0.6	E	1.1
B	1.5	F	3.0
C	1.5	G	3.0
D	1.8		

3.Test Circuit



In keeping with our ongoing policy of product evolvement and improvement, the above specification is subject to change without notice.

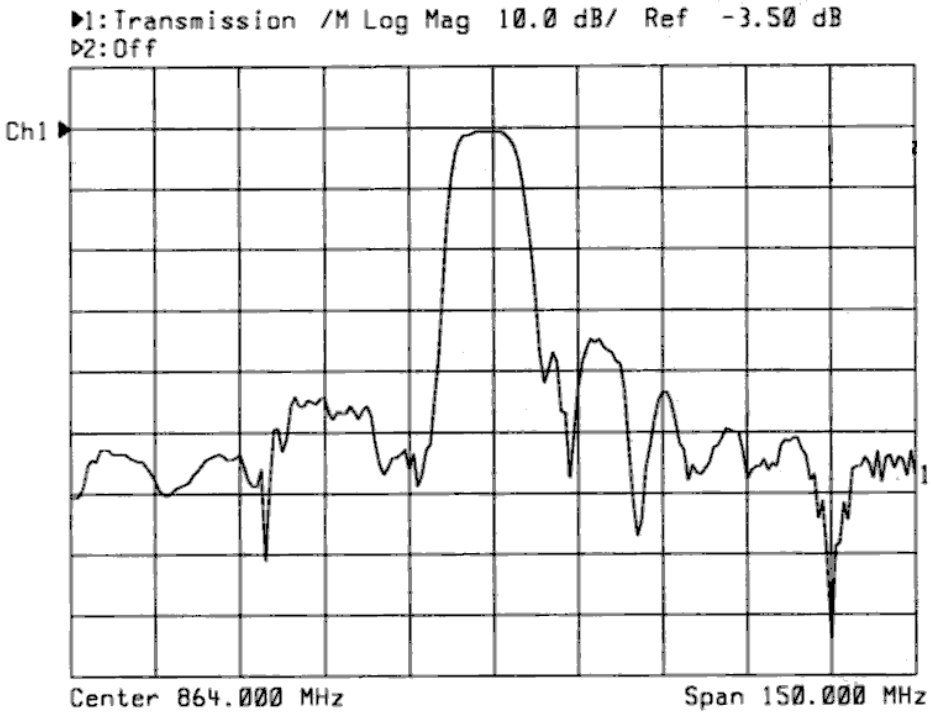
ISO9001: 2000 Registered

For quotations or further information please contact us at:
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http://www.actcrystals.com

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Date : March 2010

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4. Frequency Characteristics



5.Performance

5-1.Maximum Ratings

Rating	Value	Units
Input Power Level	10	dBm
DC Voltage	12V	VDC
Storage Temperature	-40 to +85	°C
Soldering Temperature	+235	°C

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5-2.Electronic Characteristics

Item	Specifications
Nominal Center Frequency (f_C)	864.000 MHz
Insertion Loss (within f_C+/-1.0MHz)	4.5dB max.
Absolute Attenuation 1) within 820 … 823 MHz 2) within 841 … 844 MHz 3) within 884 … 887 MHz 4) within 905 … 908 MHz	 40dB min. 35dB min. 35dB min. 40dB min.
Ripple Deviation (within f_C+/-1.0MHz)	1.5dB max.
Input / Output Impedance(Nominal)	50 Ω

CAUTION: Electrostatic Sensitive Device. Observe precautions for handling!

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 ≤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.