Advanced crystal technology

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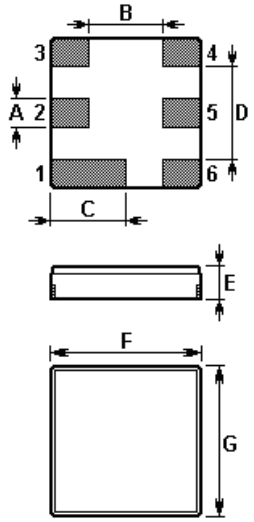
SAW BANDPASS FILTER PART NO.: ACTF4072-433.92-DCC6C

The **ACTF4072-433.92-DCC6C** is a low-loss, compact, and economical surface-acoustic-wave (**SAW**) RF filter in a surface-mount ceramic **DCC6C** case for remote control receivers.

1. Package Dimension (DCC6C)



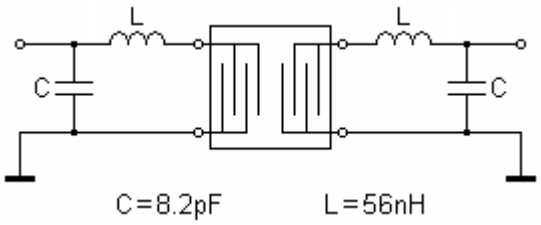
Pin	Configuration
2	Input / Output
5	Output / Input
1, 3, 4, 6	Case Ground

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		

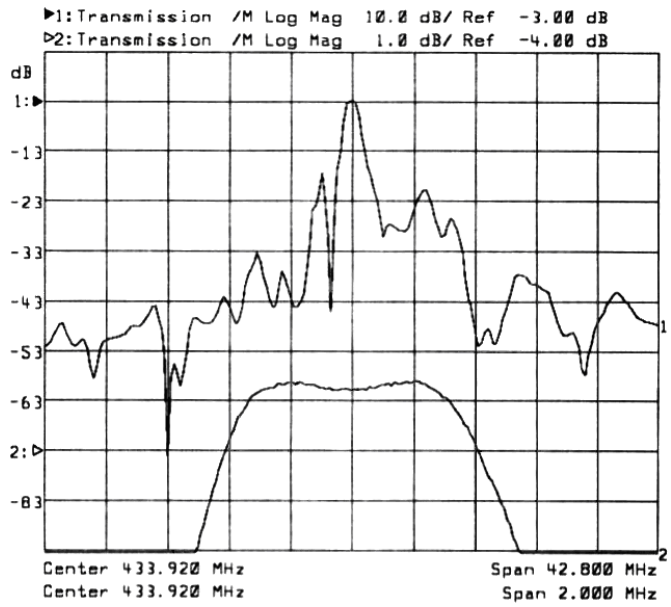
2. Marking

Laser Printing

3. Matching Circuit



4. Typical Frequency Response



ISO9001:2000 Registered

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

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5. Performance

5-1. Maximum Ratings

Rating		Value	Unit
Input Power Level	P_{in}	10	dBm
DC Voltage	V_{DC}	6	V
Storage Temperature Range	T_{stg}	-45 to +120	℃
Operating Temperature Range	T_A	-45 to +120	℃

5-2. Electronic Characteristics

Characteristic		Minimum	Typical	Maximum	Unit
Nominal Center Frequency	f_C		433.920		MHz
Insertion Loss (at minimum loss point)	*IL*		2.8	3.5	dB
3dB Bandwidth (from f_C)	BW_3	0.9	1.0		MHz
Relative attenuation (relative to *IL*) f_C± 21.4 MHz f_C± 10.7 MHz f_C± 1.0 MHz	±rel	 36 30 10	 44 38		 dB dB dB
Ultimate Rejection		50	60		dB

ⓘ 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© test system with VSWRd1.2:1.
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.