Advanced crystal technology

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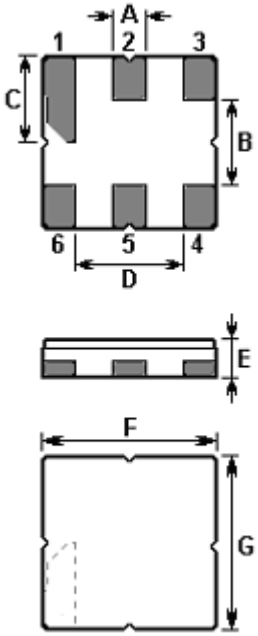
This specification is applied to the 860.5 MHz SAW filter in a DCC6C package (Preliminary data sheet for **ACTF860.5-33/LL/DCC6C)**

1. Package Dimensions (DCC6C)



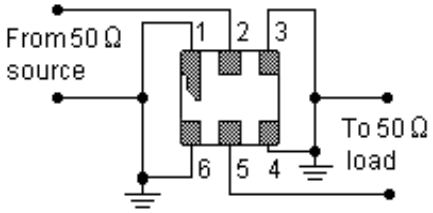
Pin	Configuration
2	Input / Output
5	Output / Input
others	Case Ground

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		

2. Marking

TBD

3. Test Circuit



No impedance matching required for operation at 50 Ω.

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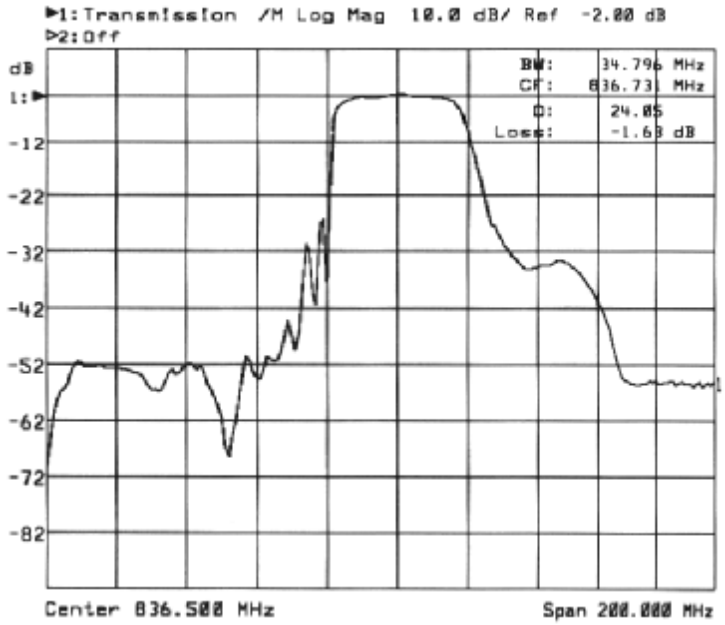
4. Frequency Characteristics

This is a typical frequency response of our standard 836.5MHz SAW filter. Only to show the intended typical frequency response of the 860.5MHz SAW filter.



5. Performance

5-1. Maximum Ratings

Rating	Value	Unit
Input Power Level	15	dBm
DC Voltage	12	V
Storage Temperature Range	-40 to +100	°C
Operating Temperature Range	-30 to +85	°C

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5-2. Electronic Characteristics

Parameter		Minimum	Typical	Maximum	Unit
Centre Frequency	f_C	--	860.50	--	MHz
3dB Bandwidth	BW_3	--	±17	--	MHz
Usable Bandwidth	BW_{UES}	--	±9.5	--	MHz
Insertion Loss 851.00 MHz …. 870.00 MHz	*IL*	--	2.5	3.0	dB
Amplitude Variation (p-p) 851.00 MHz …. 870.00 MHz	$\Delta\alpha$	--	0.80	1.5	dB
Absolute Attenuation DC …. 650.00 MHz 650.00 MHz …. 760.00 MHz 760.00 MHz …. 815.00 MHz 905.00 MHz …. 950.00 MHz 950.00 MHz …. 2000.00 MHz	α	 50 50 45 20 45	 70 60 55 30 52	 -- -- -- 	dB
Input / Output Impedance			50		Ω

CAUTION: Electrostatic Sensitive Device. Observe precautions for handling!

1. 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 centre frequency, f_C. Note that insertion loss, bandwidth, and passband shape are dependent on the impedance matching component values and quality.
2. Unless noted otherwise, specifications apply over the entire specified operating temperature range.
3. The specifications of this device are based on the test circuit shown above and subject to change or obsolescence without notice.
4. All equipment designs utilizing this product must be approved by the appropriate government agency prior to manufacture or sale.
5. 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.