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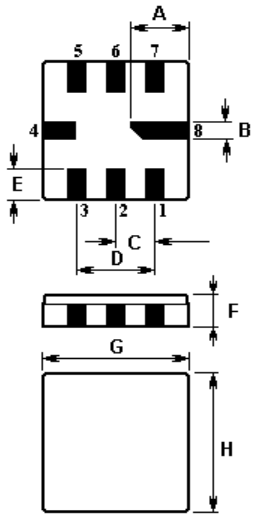
The **ACTF4001/426.0/QCC8C** is a low-loss, compact, and economical surface-acoustic-wave (**SAW**) filter in a surface-mount ceramic **QCC8C** case intended for use in Mobile Radio (FRS & PMR) applications.

1.Package Dimension (QCC8C)

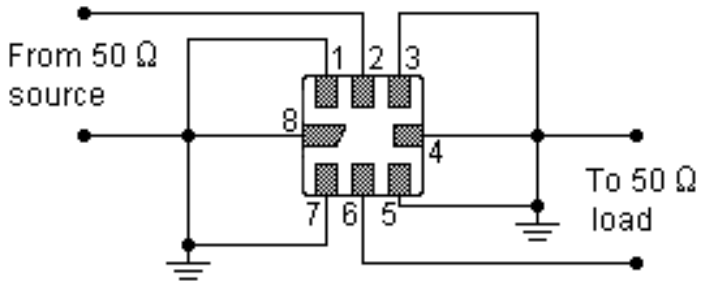


2.

Pin	Configuration
2	Input / Output
6	Output / Input
1,3, 5,7	To be Grounded
4,8	Case Ground

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	2.08	E	1.20
B	0.60	F	1.35
C	1.27	G	5.00
D	2.54	H	5.00

3. Test Circuit



ISO9001: 2000 Registered

For quotations or further information please contact us at:
3 The Business Centre, Molly Millars Lane, Wokingham, Berks, RG41 2EY, UK
http://www.actcrystals.com

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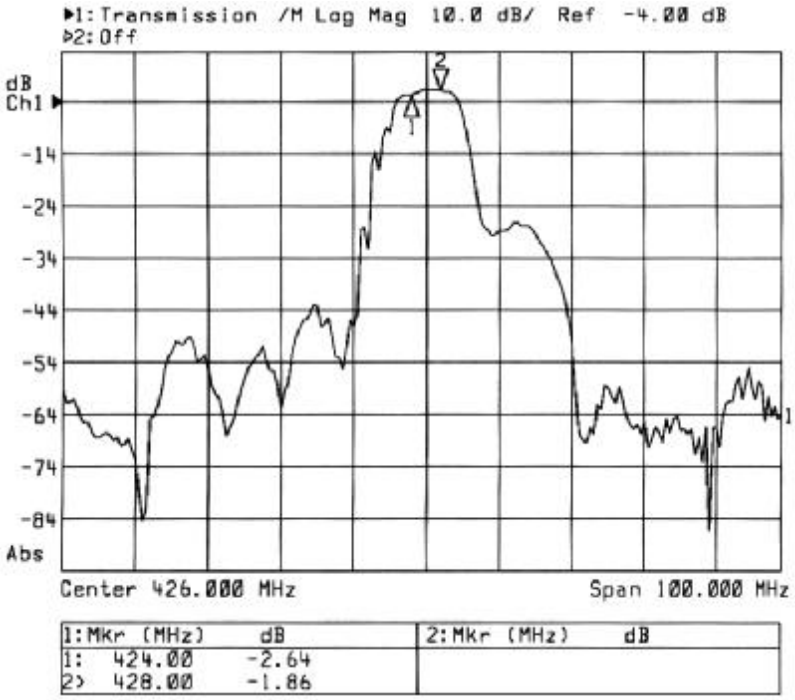
4.Typical Frequency Response



5.Performance

5-1.Maximum Rating

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

Advanced crystal technology

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5-2.Electronic Characteristics

Characteristics		Minimum	Typical	Maximum	Units
Centre Frequency	f_C	--	426.000	--	MHz
Usable Pass Band	BW	--	±2.0		MHz
Insertion Loss (f_C±2.0MHz)	IL		3.5	5.0	dB
Rejection $f_C < f_C$ – 20.0MHz $f_C > f_C$ +25.0MHz		 40 45	 45 50	--	dB
Pass Band Ripple (with f_C±2.0MHz)		--	2.0	--	dB
Input and Output Impedance		50Ω			

i 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 50Ω 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.