Advanced crystal technology

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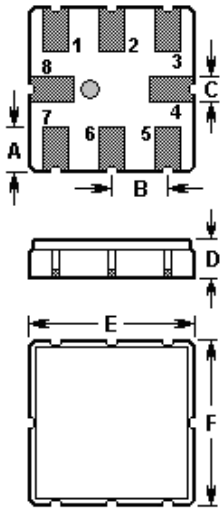
SAW BANDPASS FILTER PART NO.: ACTF9072-925.0-QCC8B

The **ACTF9072-925.0-QCC8B** is a low-loss, compact, and economical surface-acoustic-wave (SAW) RF filter in a surface-mount ceramic **QCC8B** case with center frequency **925.000** MHz.

1. Package Dimension (QCC8B)



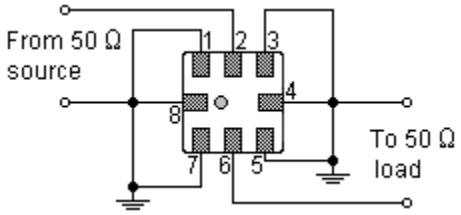
Pin	Configuration
2	Input / Output
6	Output / Input
Others	Case Ground

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.00	D	1.50
B	1.27	E	3.80
C	0.60	F	3.80

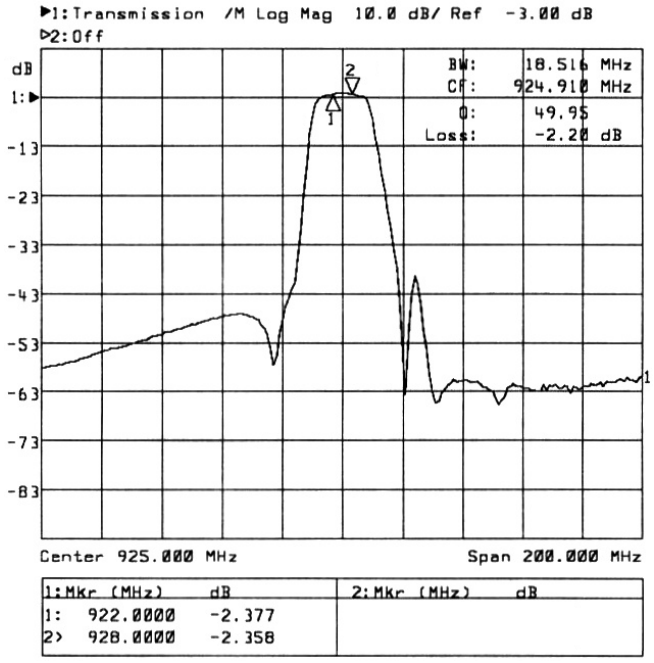
2. Marking

Laser Marking

3. Test Circuit



4. Typical Frequency Response



In line with our ongoing policy of product evolvement and improvement, the above specification may subject to change without notice

ISO9001:2000 Registered

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

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5. Performance

5-1. Maximum Ratings

Rating		Value	Unit
Input Power Level	P	10	dBm
DC Voltage	V_{DC}	5	V
Storage Temperature Range	T_{stg}	-40 to +85	°C
Operable Temperature Range	T_A	-20 to +75	°C

5-2. Electronic Characteristics

Characteristic		Min.	Typ.	Max.	Unit
Center Frequency	f_C		925.00		MHz
3dB Bandwidth	BW_3		18.5		MHz
Insertion Loss 922.00 …. 928.00 MHz	IL	 --	 2.9	 4.2	 dB
Amplitude Ripple 922.00 …. 928.00 MHz	” ±	 	 0.4	 2.0	 dB
Absolute Attenuation 775.00 …. 835.00 MHz 835.00 …. 895.00 MHz 970.00 …. 992.00 MHz 992.00 …. 1075.0 MHz	±	 40 36 36 38	 54 47 55 52	 -- -- -- --	 dB dB dB dB
Input / Output Impedance		50 ©			

ⓘCAUTION: Electrostatic Sensitive Device. Observe precautions for handling!

NOTE:

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..