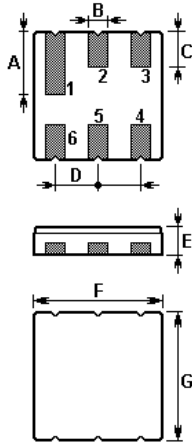


The **ACTF9008/926.25/DCC6** is a low-loss, compact, and economical surface-acoustic-wave (**SAW**) filter in a surface-mount ceramic **DCC6** case. It is designed as RF filter for cordless telephone CT ISM. Centre frequency is 926.250 MHz.

### 1.Package Dimension (DCC6)

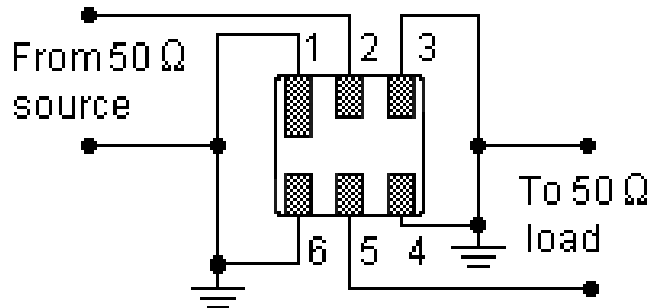


### 2.

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

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.9	E	1.2
B	0.64	F	3.8
C	1.0	G	3.8
D	1.27		

### 3.Test Circuit



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

**ISO9001: 2000 Registered - Registration number 6830/2**

Issue : 1 C1

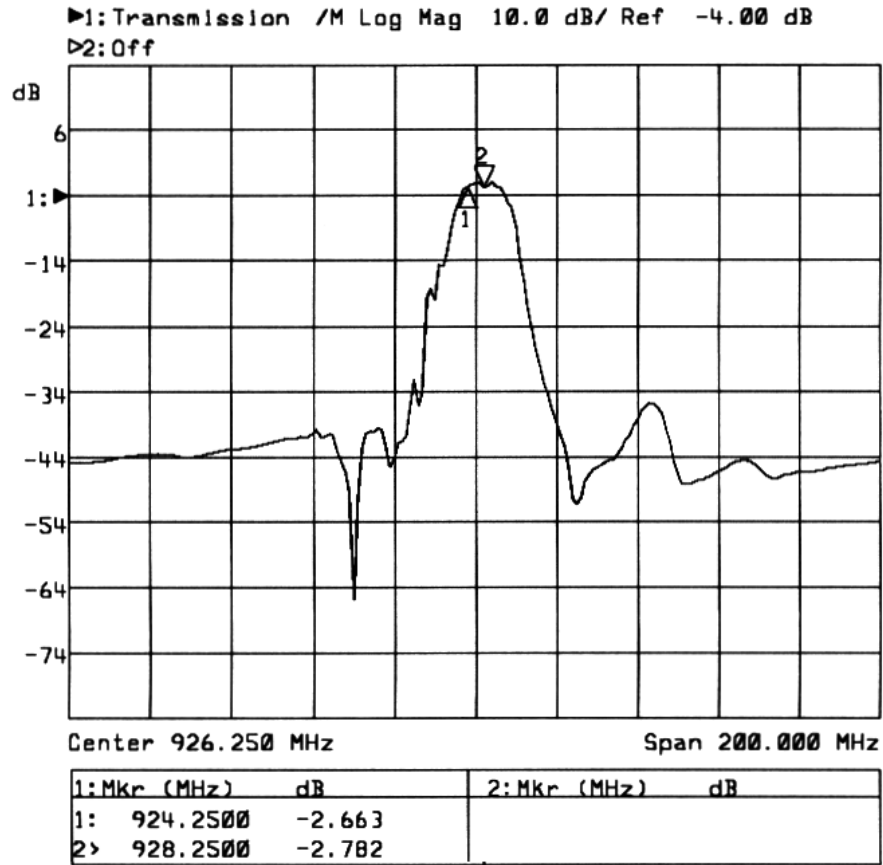
For quotations or further information please contact us at:

Date : SEPT 04

3 The Business Centre, Molly Millars Lane, Wokingham, Berks, RG41 2EY, UK

<http://www.actcrystals.com>

#### 4. Typical Frequency Response



#### 5. Performance

##### 5-1. Maximum Ratings

Rating	Value	Units
CW RF Power Dissipation	0	dBm
DC Voltage Between Any Two Pins	5	V
Operating Temperature	-10 to +50	°C
Case Temperature	-40 to +85	°C
Soldering Temperature	+235	°C

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5-2.Electronic Characteristics

Reference temperature:  $T_A = 25\text{ }^\circ\text{C}$

Characteristic	Min.	Typ.	Max.	Units
Centre frequency $f_c$	--	926.250	--	MHz
Insertion Loss within $f_c \pm 2.0\text{MHz}$	--	4.0	5.5	dB
Pass band BW	--	$\pm 2.0$	--	MHz
Amplitude ripple (p-p) within $f_c \pm 2.0\text{MHz}$	--	1.0	2.0	dB
Absolute attenuation				
within 826.25 MHz .... 901.25 MHz	32	40	--	dB
within 946.25 MHz .... 981.25 MHz	25	35	--	dB
within 981.25 MHz .... 1026.25 MHz	35	45	--	dB
Input / Output Impedance (Nominal)	--	50	--	$\Omega$

**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  $50\ \Omega$  test system with  $VSWR \leq 1.2:1$ . 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.

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

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