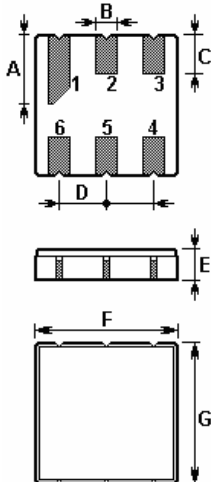


## ACT F403.5 /403.5/DCC6C RF Saw Filter (Preliminary specification)

The ACTF403.5/403.5/DCC6C filter is a low-loss, compact, and economical surface-acoustic-wave (SAW) RF filter in a surface-mount ceramic DCC6 case with centre frequency 403.500 MHz.



### 1. Package Dimension (DCC6)



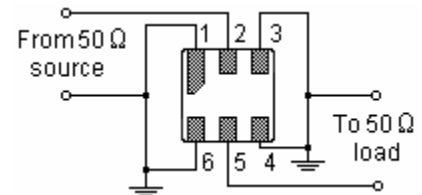
Pin	Configuration
2	Input
5	Output
1, 3, 4, 6	Ground

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.90±0.1	E	1.35±0.15
B	0.64±0.1 (x6)	F	3.80±0.15
C	1.00±0.1 (x5)	G	3.80±0.15
D	1.27±0.1 (x4)		

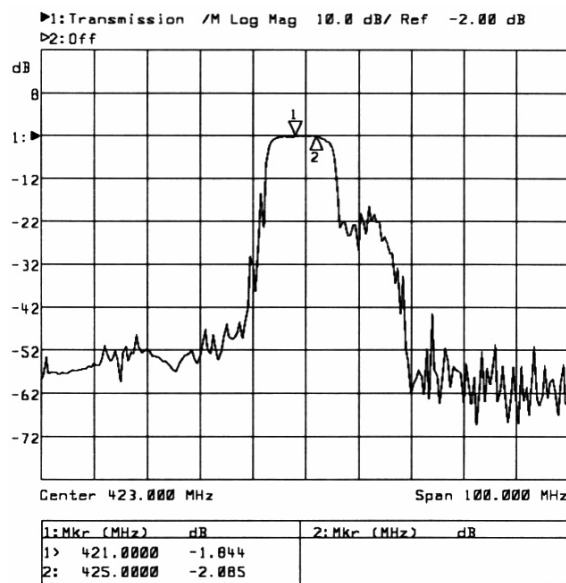
### 2. Marking

Laser Printing

### 3. Matching Circuit



### 4. Typical Frequency Response (For reference purposes only)



In line with our ongoing policy of product evolution 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>

## 5. Performance

### 5-1. Maximum Ratings

Rating		Value	Unit
Input Power Level	$P$	+13	dBm
DC Voltage	$V_{DC}$	10	V
Operable Temperature Range	$T_A$	-40 to +85	°C
Storage Temperature Range	$T_{stg}$	-40 to +85	°C

### 5-2. Electronic Characteristics

Characteristic		Minimum	Typical	Maximum	Unit
Center Frequency	$f_C$	--	403.5	--	MHz
Insertion Loss	$f_C \pm 2.0$ MHz	--	3.0	4.0	dB
Absolute Attenuation	$f_C - 200.0$ MHz ..... $f_C - 20.0$ MHz	40	50	--	dB
	$f_C + 25$ MHz ..... $f_C + 200.0$ MHz	45	50	--	dB
Pass band Ripple	$f_C \pm 2.0$ MHz	--	1.0	1.5	dB
Input / Output Impedance (Nominal)		50Ω // 0pF			

**ⓘ 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 50Ω test system with VSWR≤1.2:1.
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.

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