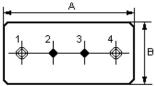
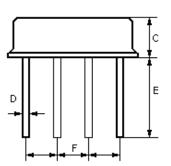


Tel : +44 118 979 1238 Fax : +44 118 979 1283 Email: <u>info@actcrystals.com</u>

The **ACTF410B/410.0/F11** is a low-loss, compact, and economical surface-acoustic-wave (**SAW**) filter in a low-profile metal **F-11** case for FRS & PMR mobile radio applications. (Centre frequency : 410.0MHz)

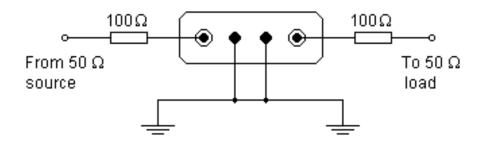
1. Package Dimension (F-11)





Pin	Configuration				
1	Input / Output				
4	Output / Input				
2/3	Case Ground				
Dimensions	Data (unit: mm)				
А	11.0±0.3				
В	4.5±0.3				
B C	4.5±0.3 3.2±0.3				
C	3.2±0.3				

3. Test Circuit



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

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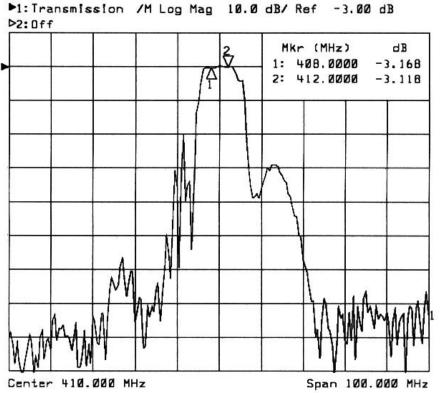
For quotations or further information please contact us at:

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4. Typical Frequency Response



5. Performance

5-1.Maximum Ratings

Rating		Value
RF Power Dissipation	Р	0dBm
DC Voltage	V _{DC}	10V
AC Voltage	V _{AC}	10V 50Hz/60Hz
Operable Temperature Range	T _A	-20 to +60°C
Storage Temperature Range	$T_{ m stg}$	-40 to +85°C

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5-2. Electronic Characteristics

Characteristic		Minimum	Typical	Maximum	Unit
Centre Frequency	f _C		410.000		MHz
User Signal Band	BW		±2.0		MHz
Insertion Loss f _C ±2.0MHz	IL		3.2	4.5	dB
Absolute Attenuation DC to f_C -15 f_C +25.0MHz to f_C +20		45 52	55 65		dB
Pass Band Ripple f _C ±2.0MHz	Δα			2.0	dB
Input / Output Impedance (Nominal)		150Ω // 0pF			

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

- 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 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.
- 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.

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