

o

To 50 Ω

load

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The **ACTF 9124/1950/DCC6C** is a low-loss, compact, and economical surface-acoustic-wave (**SAW**) RF filter in a surface-mount ceramic **DCC6C** case with center frequency **1950.000** MHz.

1. Package Dimensions (DCC6C)



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

6 5 4

3. Test Circuit

o From 50 Ω source







In line with our ongoing policy of product evolvement and improvement, the above specification may subject to change without notice For quotations or further information please contact us at: 3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG412EY, UK . ISO9001:2000 Registered http://www.actorystals.com



5. Performance

5-1. Maximum Ratings

Rating	Value	Unit	
Input Power Level	Р	5	dBm
DC Voltage	V _{DC}	0	V
Operable Temperature Range	TA	-40 to +85	°C
Storage Temperature Range	$T_{\rm stg}$	-40 to +85	°C

5-2. Electronic Characteristics

Characteristic		Minimum	Typical	Maximum	Unit
Center Frequency	f _C		1950.00		MHz
Insertion Loss 1925 1975 MHz	IL		2.5	3.5	dB
Absolute Attenuation 50 1825 MHz 1825 1885 MHz 2035 2085 MHz 2085 3700 MHz	α	20 30 28 20	25 35 35 25	 	dB dB dB dB
Amplitude Ripple (p-p) 1925 1975 MHz	Δα		1.0	1.5	dB
Input / Output Impedance			50		Ω

(i)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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