



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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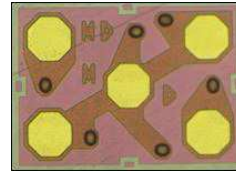


ACPF-7324

Wi-Fi Bandpass Filter (2402.5 – 2481.5 MHz)



Product Brief



Description

The Avago ACPF-7324 is a chip scale bandpass filter designed for use in mobile Wi-Fi Band applications (2402.5 – 2481.5 MHz), which require high attenuation of adjacent spectrum (e.g., LTE Bands 7, 38, 40, and 41) to meet coexistence requirements.

The ACPF-7324 is designed with Avago Technologies' innovative Film Bulk Acoustic Resonator (FBAR) technology, which makes possible ultra-small, high-Q filters at a fraction of their usual size.

The ACPF-7324 also utilizes Avago Technologies' advanced Microcap bonded-wafer technology. This chip scale miniaturization process results in a package size of only 0.66 × 0.92 mm and maximum height of 0.25 mm, making the ACPF-7324 smaller than a 0402 size SMT component.

The ACPF-7324 is compatible with high volume, lead-free SMT soldering processes, and can be direct surface -mounted to a PCB or a transfer molded module.

Features

- 50 Ω Input/Output
- No external matching required
- Low Insertion Loss
- Hi Rejection: Enables concurrent operation with other 2.5 GHz Bands
- Miniature Size
 - 0.66 × 0.92 mm Footprint
 - 0.25 mm Max Height
- High Power Rating: +27 dBm Abs Max Input Power
- Environmental
 - RoHS 6 Compliant
 - Halogen free
 - TBBPA Free

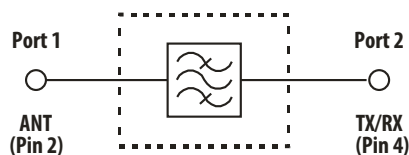
Specifications

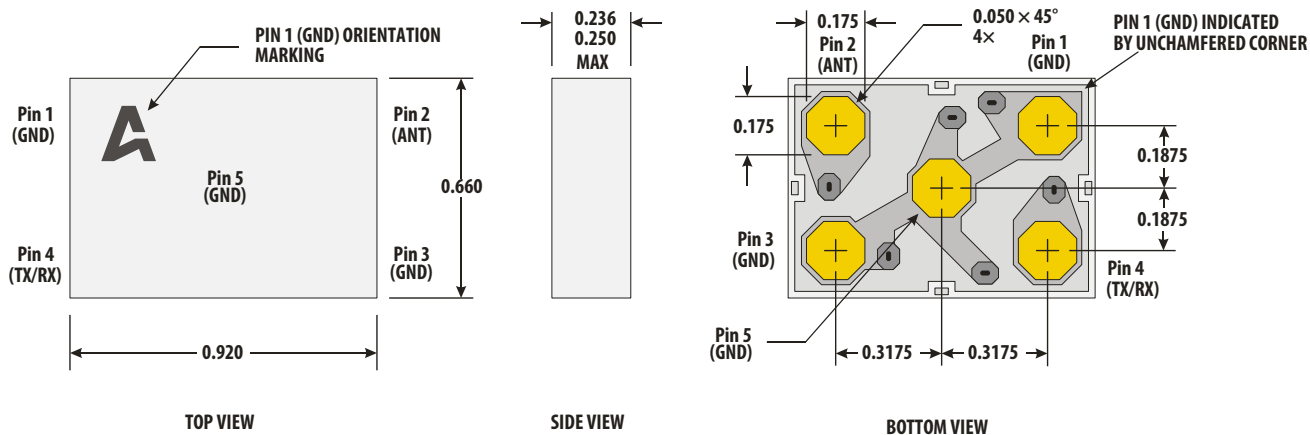
- Operating temperature: -30 °C to +85 °C
- Insertion Loss: 1.7 dB typical
- Interferer Rejection: 52 dB typical

Applications

Wi-Fi enabled mobile communications devices operating concurrently with other wireless standards

Functional Block Diagram





Notes:

1. Dimensions in millimeters
2. Tolerance (unless otherwise noted):
X.XXX ± TBD
X.XXXX ± TBD
3. Dimensions nominal unless otherwise noted
4. Contact areas are gold plated
5. Package marking:
"A" = Avago logo and Pin 1 (GND) orientation

Pin Connections:

- 1, 3, 5 GND
- 2 ANT, Port 1
- 4 TX/RX, Port 2

Ordering Information

Part Number	No. of Devices	Container
ACPF-7324-BLK	100	Tape strip or Gel-Pack
ACPF-7324-TR1	3000	7-inch (178 mm) Reel

For product information and a complete list of distributors, please go to our web site: www.avagotech.com

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