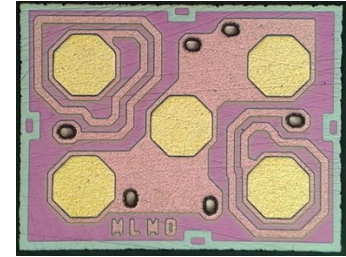


ACPF-7624

Wi-Fi Bandpass Filter

Product Brief



Description

The Avago ACPF-7624 is a chip scale bandpass filter designed for use in mobile Wi-Fi Band applications (2402.5 MHz to 2481.5 MHz), which require high attenuation of adjacent spectrum (for example, LTE bands 7, 38, 40, and 41) to meet coexistence requirements.

The ACPF-7624 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-7624 also utilizes Avago Technologies' advanced microcap bonded-wafer technology. This chip scale miniaturization process results in a package size of only 0.71 mm × 0.92 mm and maximum height of 0.25 mm, making the ACPF-7624 smaller than a 0402-size SMT component.

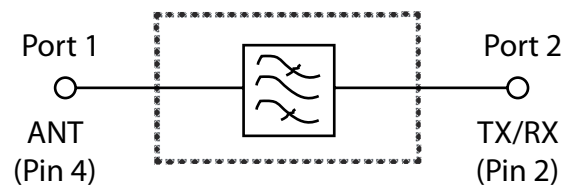
The ACPF-7624 is compatible with high volume, lead-free SMT soldering processes and can be direct surface mounted to a PCB or a transfer molded module.

Features

- 50 Ω input/output
- No external matching required
- Low insertion loss
- High rejection
 - Enables concurrent operation with other 2.5 GHz bands
- Subminiature size
 - 0.71 mm × 0.92 mm footprint
 - 0.25 mm maximum height

- High power rating
 - +29 dBm absolute maximum input power
- Environmental
 - RoHS 6 compliant
 - Halogen free
 - TBBPA free

Functional Block Diagram



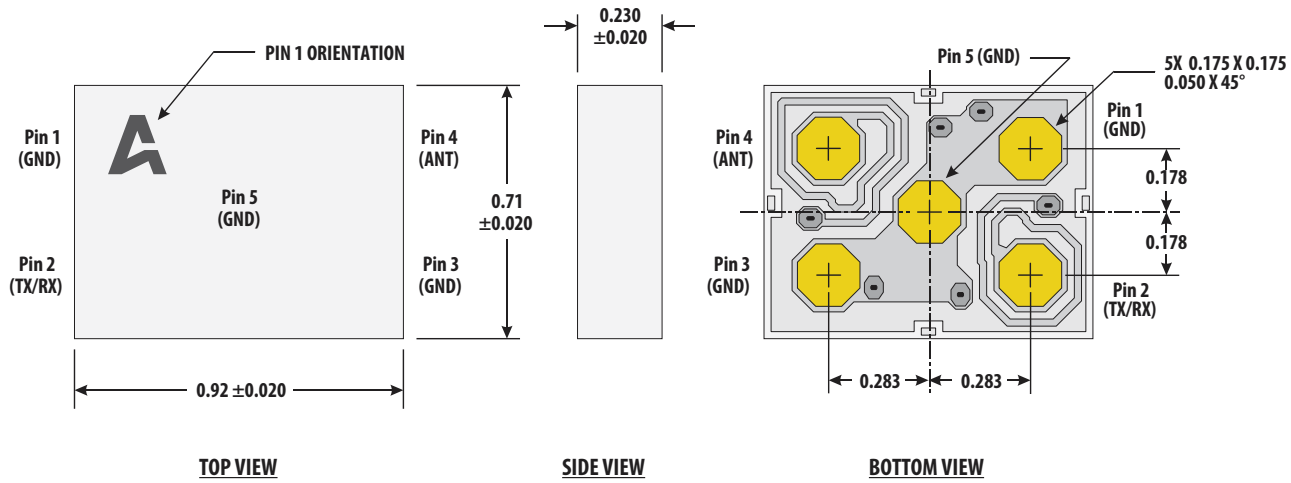
Applications

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

Ordering Information

Part Number	Number of Devices	Container
ACPF-7624-BLK	100	Tape strip or gel-pack
ACPF-7624-TR1	1000	7-inch (178 mm) reel
ACPF-7624-TR2	5000	7-inch (178 mm) reel
ACPF-7624-TR3	10,000	7-inch (178 mm) reel

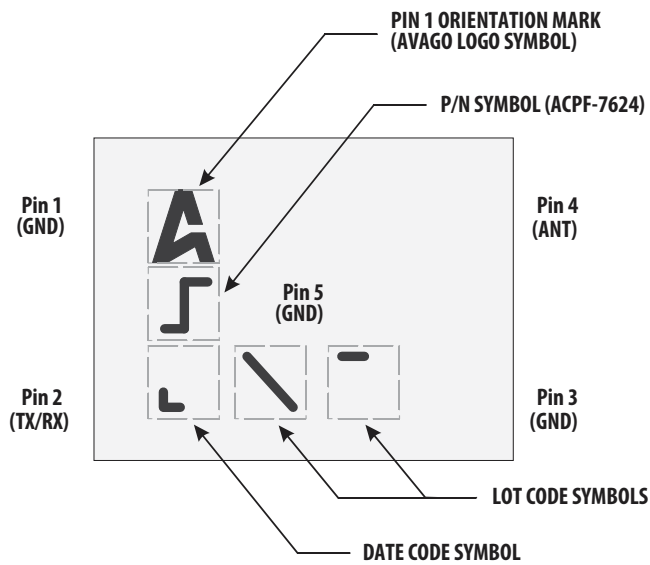
Package Dimensions



Notes:

1. Dimensions in millimeters
2. Dimensions nominal unless otherwise specified
3. Standard tolerance as below unless otherwise specified
X.XX ±0.05
.XXX ±0.025
4. Contact areas are gold plated

Marking Specification



Notes:

1. "A" = Avago Technologies, Inc.
2. P/N Symbol = ACPF-7624
3. Date Code and Lot Code Symbols shown for reference only - actual symbols will vary over time

Pin Description

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

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

www.avagotech.com

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AV02-4906EN – 2015-05-01

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