

ACPF-8240

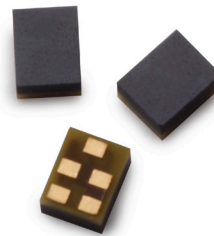
Band 40 Filter



Product Brief



Lead (Pb) Free
RoHS 6 fully
compliant



Description

The Avago ACPF-8240 is a miniaturized Bandpass Filter designed for use in Band 40 (2300 – 2400 MHz) applications such as smart phones, tablets, and other mobile devices.

The ACPF-8240 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-8240 also utilizes Avago Technologies' advanced Microcap bonded-wafer technology. This chip scale miniaturization process results in a package size of only 1.4 x 1.1 mm and maximum height of 0.80 mm.

The ACPF-8240 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 Interference Rejection
- Subminiature Size
 - 1.1 x 1.4 mm Footprint
 - 0.80 mm Max. Height
- High Power Rating
 - +29 dBm Abs. Max. Input Power
- Environmental
 - RoHS 6 compliant
 - Halogen-free
 - TBBPA-free

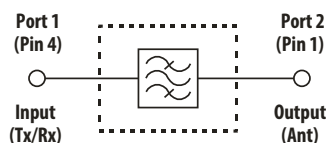
Specifications

- Performance guaranteed – 20 °C to +85 °C
- Low Insertion Loss, 3.3 dB Max

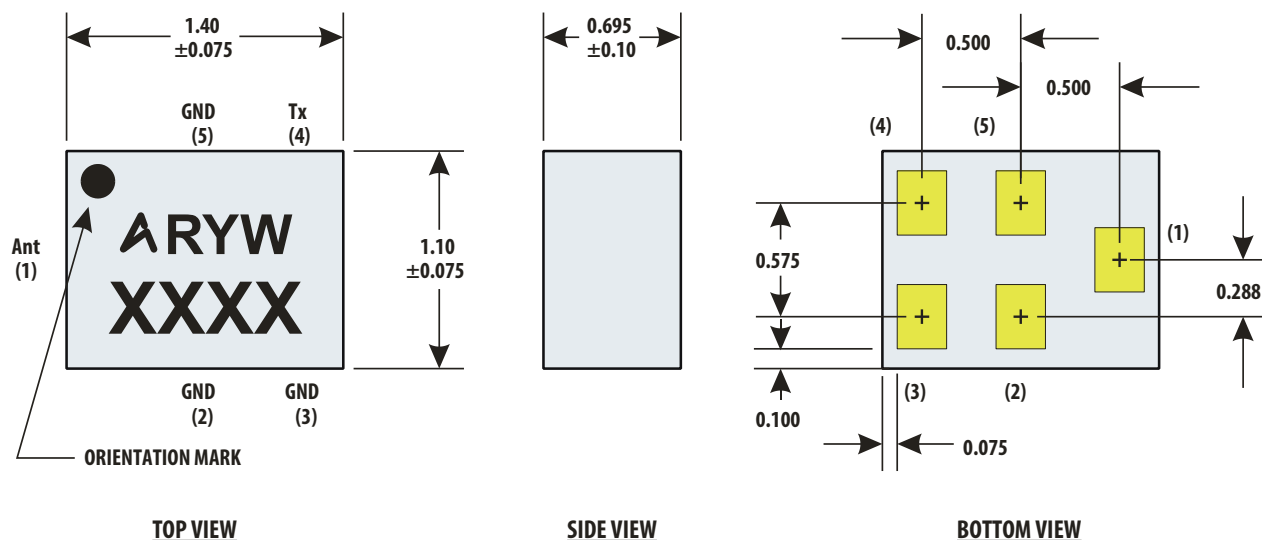
Applications

Band 40 applications such as smart phones, tablets, and other mobile/portable communications devices.

Functional Block Diagram

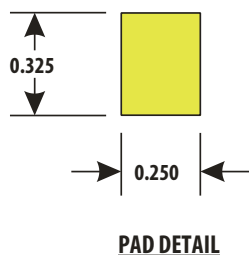


Package Outline Drawing



Notes:

1. Dimensions in millimeters
2. Tolerance, unless otherwise noted:
X.XX ± 0.05
X.XXX ± 0.025
3. Dimensions nominal, unless otherwise noted
4. Contact areas are gold plated
5. Package marking:
"A" = Avago logo
R = ACPF-8240
Y = Year (last digit)
W = Work Week
XXXX = Lot number



Pin Connections:

- 1 Port 2 (Ant/Output)
- 2, 3, 5 GND
- 4 Port 1 (Tx/Input)

Ordering Information

Part Number	No. of Devices	Container
ACPF-8420-BLK	100	Tape strip or Gel-Pack
ACPF-8420-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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