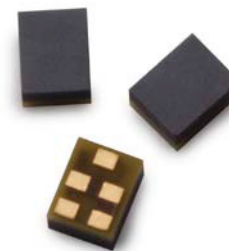


ACPF-7241

Bandpass Filter for Band 41



Product Brief



Description

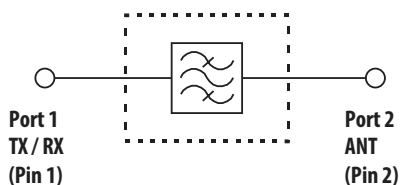
The Avago Technologies' ACPF-7241 is a miniature Bandpass Filter designed for use in Band 41 (2496 – 2690 MHz) wireless applications.

The ACPF-7241 is designed to enable concurrent operation of Band 41 with applications in adjacent 2.4 GHz Bands (Wi-Fi, WLAN, Bluetooth, ISM).

The ACPF-7241 is designed with Avago Technologies' Film Bulk Acoustic Resonator (FBAR) technology. The ACPF-7241 also utilizes Avago Technologies' innovative Microcap bonded-wafer, chip scale packaging technology. This process allows the filter to be assembled in a module with a footprint of only 1.1 x 1.4 mm with a maximum height of 0.85 mm.

The ACPF-7241 is compatible with high volume, lead-free SMT soldering processes and can be direct surface mounted to a PCB or a transfer molded module.

Functional Block Diagram



Features

- 50 Ω Input/Output
- Low Insertion Loss, High Interference Rejection
- Miniature size
 - 1.1 x 1.4 mm Footprint
 - 0.85 mm Max height
- High Power Rating
 - +30 dBm Max Average Power
 - +33 dBm Max Peak LTE Modulation Power
- Environmental
 - RoHS 6 Compliant
 - Halogen Free
 - TBBPA Free

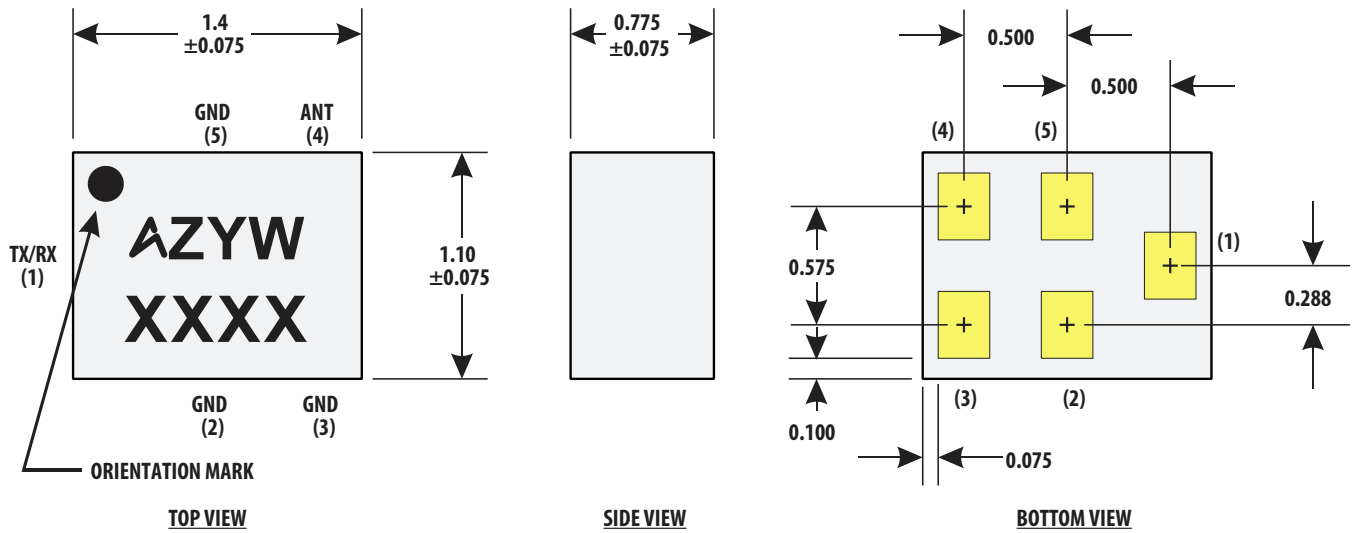
Specifications

- Performance guaranteed -20° to $+85^{\circ}\text{C}$
- Band 41 Insertion Loss = 2.3 dB (Typ, 25°C)
- IEEE 802.11 b/g/n, Ch. 1-13 Rejection ≥ 30 dB (Typ, 25°C)

Applications

Band 41 applications such as smart phones, tablets, and other mobile/portable communications devices.

Package Dimensions

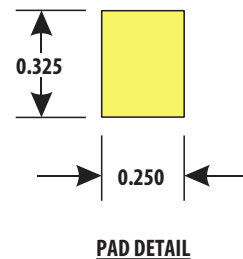


Notes:

1. Dimensions in millimeters
2. Tolerance, unless otherwise noted:
 $X.XX \pm 0.05$
 $X.XXX \pm 0.025$
3. Dimensions nominal, unless otherwise noted
4. Contact areas are gold plated
5. Package marking:
 "A" = Avago logo
 Z = ACPF-7241
 Y = Year (last digit)
 W = Work Week
 XXXX = Lot number

Pin Connections:

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



Ordering Information

Part Number	No. of Devices	Container
ACPF-7241-BLK	100	Tape Strip or Anti-static Bag
ACPF-7241-TR1	3000	178 mm (7-inch) Reel

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

www.avagotech.com

Avago Technologies and the A logo are trademarks of Avago Technologies in the United States and other countries. All other brand and product names may be trademarks of their respective companies.

Data subject to change. Copyright © 2016 Avago Technologies. All Rights Reserved.

pub-005356 – January 7, 2016

AVAGO
TECHNOLOGIES