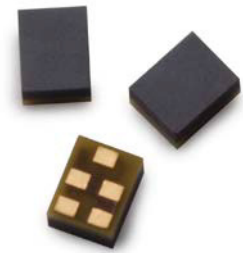


Product Brief



Description

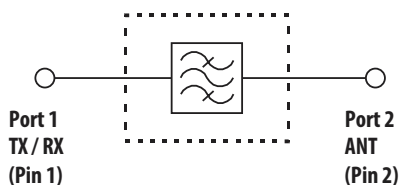
The Avago Technologies' ACPF-7241 is a miniature Bandpass Filter designed for use in Band 41 (2496 – 2690 MHz) wireless applications.

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

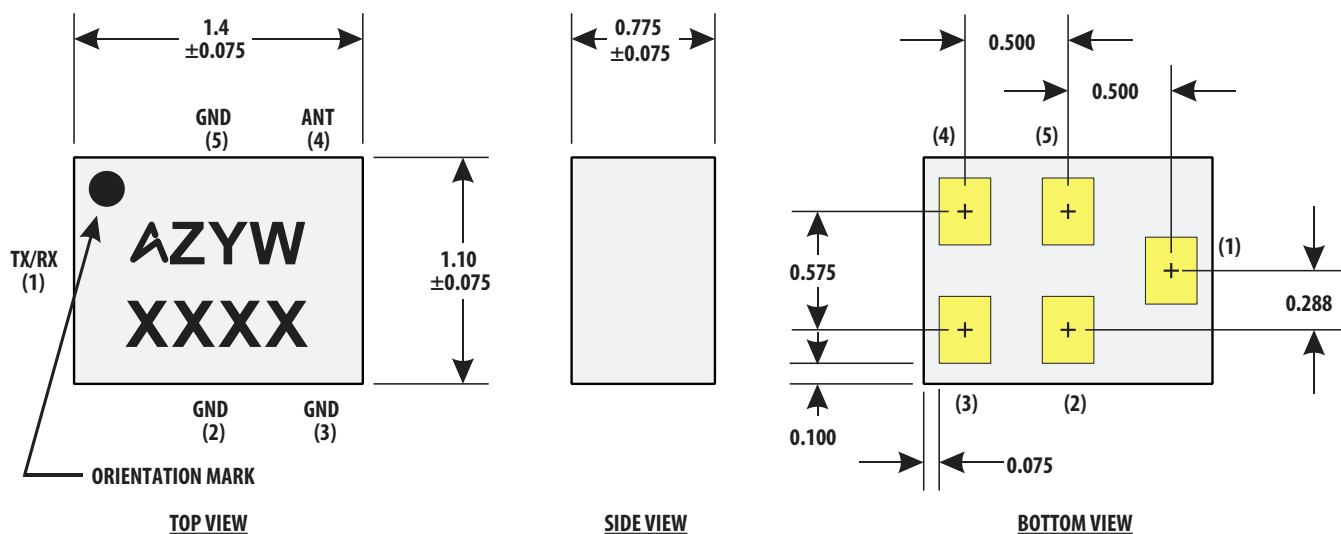
Specifications

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

Applications

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

Package Dimensions

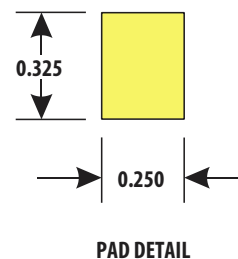


Notes:

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

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