



QPQ1904

Wi-Fi bandBoost BAW Filter

Product Overview

The Qorvo® QPQ1904 is an high-performance, high power, Bulk Acoustic Wave (BAW) band-pass filter with extremely steep skirts, simultaneously exhibiting low loss in the Wi-Fi UNII2c-3 band and high near-in rejection in the UNII1-2a band.

The filter module is specifically designed to enable industry leading capacity performance in Wi-Fi applications that result in higher power capability in more Wi-Fi channels than systems with no or traditional filter solutions. End users will see a better capability to deliver features that take advantage of sub-banding the 5GHz Wi-Fi spectrum in use cases such as tri-radio Wi-Fi mesh applications.

Using common module packaging techniques to achieve the industry standard footprint while negating as many external passive placements to help end users ease of integration into their circuits



3 Pad 1.7x1.1mm Laminate Package

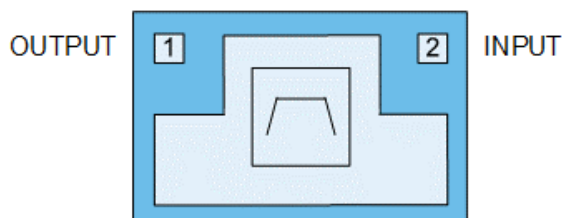
Key Features

- 5490-5835 MHz
- Low Insertion Loss in Wi-Fi UNII2c-3 bands
- High rejection in Wi-Fi UNII1-2a bands
- Extended temperature performance from -20 to +95 °C
- High power handling to +28dBm averaged Input Power

Applications

- Access Points
- Wireless Routers
- Residential Gateways
- Customer Premise Equipment
- Internet of Things

Functional Block Diagram



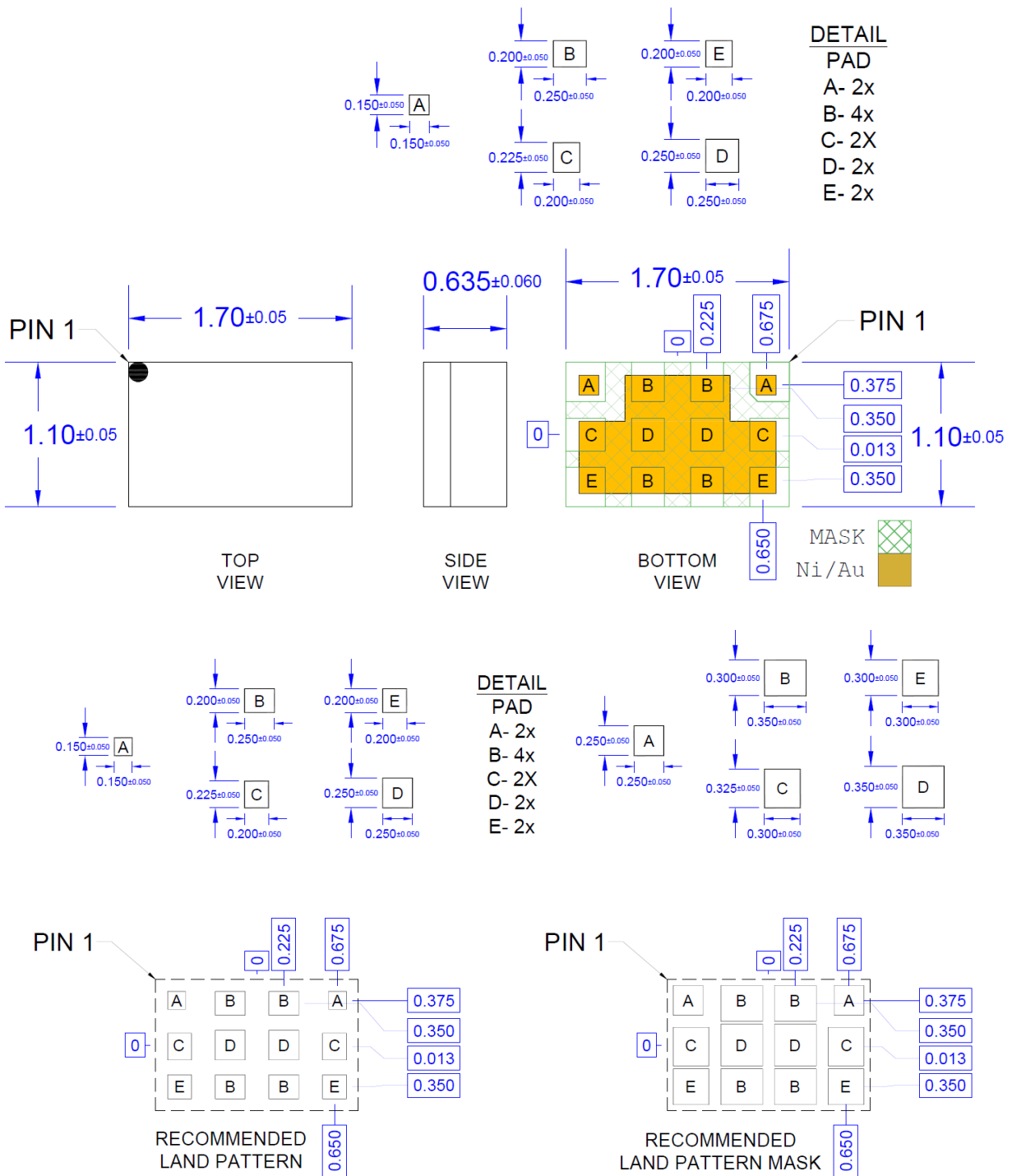
Top View

Ordering Information

Part Number	Description
QPQ1904SB	Sample bag with 5 pieces
QPQ1904SR	7" reel with 100 pieces
QPQ1904TR13	13" reel with 10,000 pieces
QPQ1904EVB01	Assembled Evaluation Board

Mechanical Information

Dimensions and PCB Mounting Pattern



Notes:

1. All dimensions are in millimeters. Angles are in degrees.
2. Dimension and tolerance formats conform to ASME Y14.4M-1994.
3. The terminal #1 identifier and terminal numbering conform to JESD 95-1 SPP-012.