

QFN RF Devices



SINGLE FUNCTION COMPONENTS

- SDLVA
- Log Amplifiers
- Phase Shifters
- Attenuators
- Switches
- Low Noise Amplifiers
- Power Amplifiers

MULTIFUNCTION COMPONENTS

- Limiter / LNA
- LNA / Detector
- Amplifier/Phase Shifter/Attenuator
- Custom combinations to fit system requirements

QFN PACKAGE SPECIFICATIONS

- 3 mm to 8 mm options available
- Ni/Pd/Au plated Alumina
- DC to 40 GHz
- Low-Loss
- Hermetic sealing available

DESIGN CHALLENGE

Engineers tasked with designing Electronic Warfare (EW) and Radar systems - whether at sea, on the ground, or in flight - are increasingly required to shrink more of the RF signal chain into smaller packages.

OUR SOLUTION

PMI's QFN products are perfectly suited to help miniaturize today's analog EW and Radar hardware. Our long history of bare-die MMIC integration allows us to conveniently package multiple single function components into a single QFN part. Most importantly, this allows us to combine MMIC's from different manufacturers and of different material [GaAs, GaN, SiGe, etc.] to achieve specs perfect for the application.

PMI has extensive experience offering custom devices that meet specific control functions at high frequencies. Mounting and integrating high frequency RF devices takes skill and experience so the package itself does not degrade the RF signal. PMI will select the proper package, integrate the RF devices, and provide necessary testing.



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