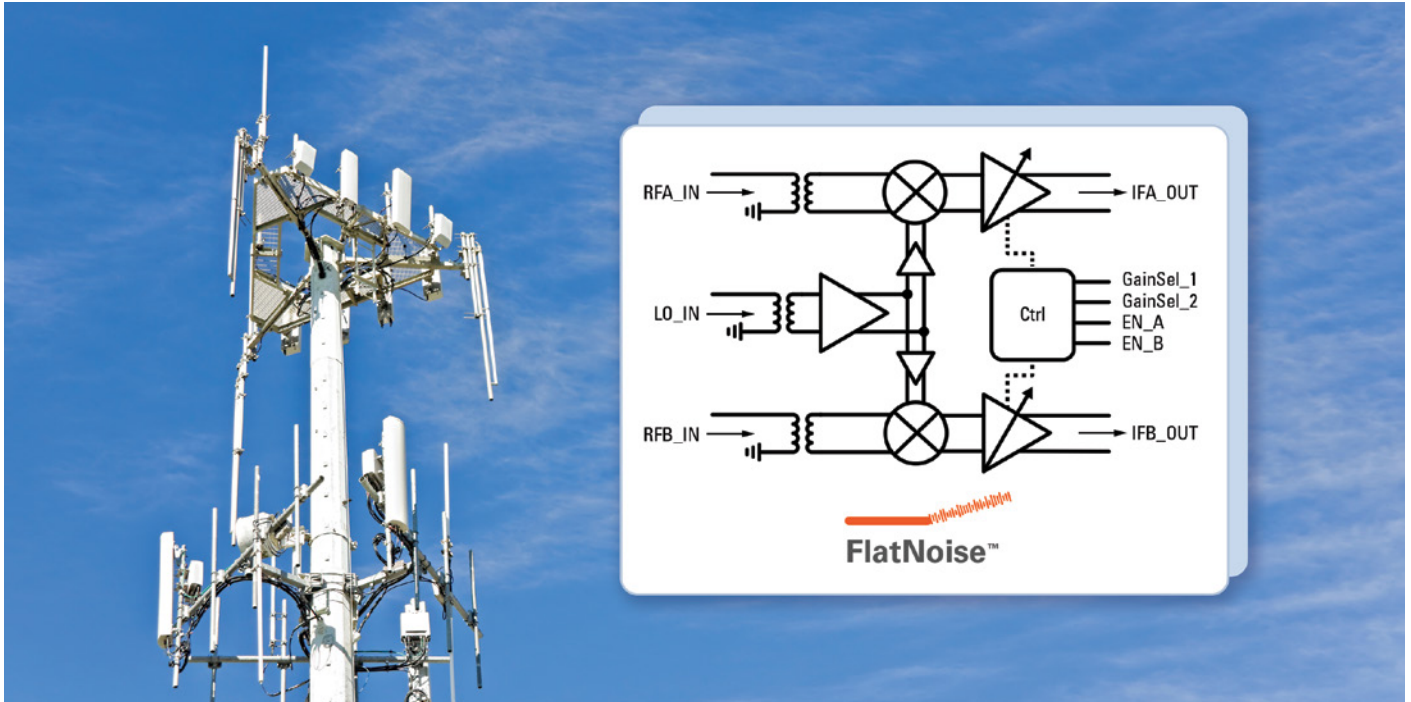


# VersaMixer Family of Highly Flexible Single/Dual Channel RF Mixers



## KEY FEATURES AND BENEFITS:

- Ultra-wide bandwidth operation from 400MHz to 3800MHz, with internal matching, addresses multiple applications with a single bill of materials (BOM)
- Ultra-low power consumption of 835mW typ supports high density PCB design
- Configurable-gain feature with 75ns settling time allows “on-the-fly” adjustment to quickly react to changing signal conditions
- FlatNoise™ technology maintains relatively constant noise figure at any gain setting.
- Zero-Distortion™ technology with OIP3 of 35dBm at 2.6GHz
- Small 4 x 4 mm 24-TQFN package

## TARGET APPLICATIONS:

- 2G/3G/4G/5G/Multimode remote radio units
- High order MIMO systems, microcells, picocells, DAS
- Industrial applications
- Point-to-point microwave backhaul systems
- Broadband repeaters
- Public safety infrastructure
- Any radio system operating between 400MHz and 4000MHz

The F1792/F1192 are single/dual channel RF mixers in the VersaMixer™ family offering maximum performance and flexibility with ultra-wide bandwidth at minimum power consumption. Their unique and patented configurable-gain feature permits use in a wide variety of RF applications, even allowing for dynamic gain adjustment to maximize performance “on-the-fly”.

Extremely wide RF and IF bandwidths are achieved with all internal matching, requiring no external component changes. In addition, the F1792/F1192 can function with as little as -6dBm LO power. Independent channel shutdown modes offer ease of integration into high order TDD MIMO systems.

The F1792/F1192 VersaMixer single/dual channel mixers offer the ultimate combination of ultra-wide bandwidth, high linearity, low power and design flexibility in a small 4 x 4 mm package.

Part Number	Description
F1792	Single Channel Mixer
F1192	Dual Channel Mixer

To learn more, download documentation, or request samples, visit: [idt.com/go/rf](http://idt.com/go/rf)