

TB31296FT Bluetooth™ Radio

Highlights

- Toshiba is 1 of 5 Bluetooth SIG founding members ensuring compliance and commitment to Bluetooth specifications
- Proven manufacturing enables superior cost control and quick ramp-up to production volumes
- Flexible business model ensures migration from module to chips to ASIC
- RF device features low-power consumption and small package

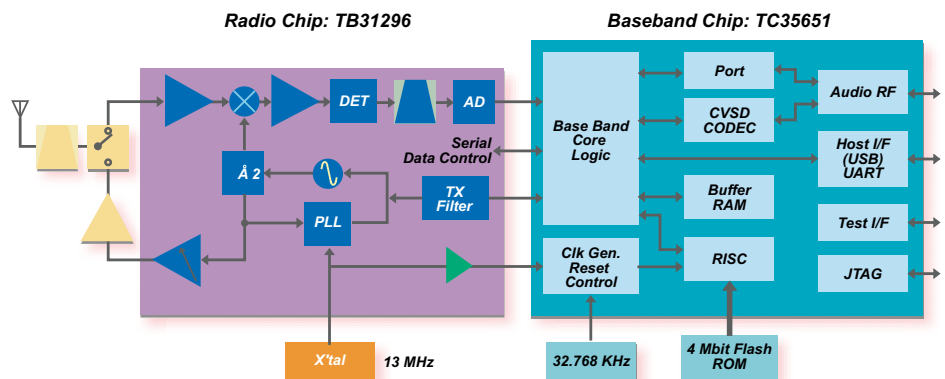
Description

The TB31296FT is the RFIC section of the Toshiba two-chip HCI and Complete Bluetooth solution. The chipset partition gives you the utmost in design and development flexibility by allowing you to incorporate either or both chips into your design. The Toshiba Bluetooth RF IC, TB31296FT, features high sensitivity, low-power consumption and sufficient output power for Class 2 and 3 applications. This IC is manufactured in a SiGe-BiCMOS process and comes in a very thin package (TQON).

TB31296FT Features

- SiGe-BiCMOS process
- Digital Interface to communicate with Baseband
- Low power consumption
- High sensitivity
- Class 2 acceptable: +1 dBm
- Small package: TQON44 (4.9mm X 4.9mm X 0.5mm)
- Low IF architecture
- High-level integration LNA, fully integrated VCO, BPF, PA
- Optional external power amplifier for class 1 operation

Block Diagram



Product Brief

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TOSHIBA

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