



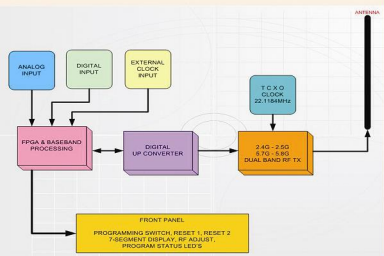
The RF101 is a one stop cost effective solution for basic digital signal processing and RF up/down conversion. It can up/down convert both digital and analog signals and can generate signals with various modulation schemes for spectral and logic analysis. Additionally, the digital upconversion feature provides a programmable IF.

RF101 Specifications

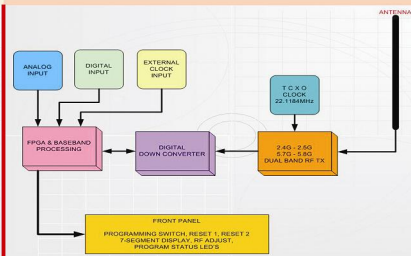
- RF range : 2.4 GHz - 2.5 GHz, 5.7 GHz - 5.8 GHz
- IF range : 100 kHz - 60 MHz
- Sideband cancellation : 32 dBm
- RF power : 0 - 17 dBm variable
- FPGA baseband for pre-upconversion processing
- Maximum analog frequency : 6 MHz
- External digital input : 12 bit parallel, RS232, USB-UART Bridge
- ADC : 53 Msps, 12 bit, unipolar
- Inbuild power supply
- ISM band antennas

RF101 Applications

- Digital I/Q upconversion & downconversion
- Analog I/Q upconversion & downconversion
- Wireless sensor networks
- Wireless transceivers



RF101 Up Converter



RF101 Down Converter

Contact

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