
Rafael Micro R820T2 Specs Projector

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Part Number : R820T2

Function : High Performance Low Power Advanced Digital TV Silicon Tuner

Package : QFN 24 Type

Manufacturers : Rafael Micro

Image :

Description :

The R820T2 is a highly integrated silicon tuner that builds in low noise amplifier (LNA), mixer, fractional PLL, VGA, voltage regulator and tracking filter, eliminating the need for external SAW filters, LNA, balun, and LDO. Thanks the LNA architecture, R820T offers the lowest cost and high performance solution for digital TV application. On-chip LDO, high performance LNA, and small package enable R820T the perfect solution for both cost and form factor sensitive applications.

Pinout :

Features :

Support all digital TV standards: DVB-T, ATSC, DTMB and ISDB-T.

Lowest BOM cost WITHOUT external SAW filters, LNA, balun, LDO, and adjustable parts.

Low cost Single-In Digital TV Application

Compliant with EN 300 744, Nordig 2.2, D-BOOK 7.0, ARIB B21, ABNT 15604, ATSC A74 and GB20600-2006

Compliant with EN-55020, EN55013 and FCC

Ultra low power consumption < 178mA

Single power supply 3.3V

2-wired I2C interface

[R820T2 Datasheet PDF Download](#)

Rafael Sanzio da Urbino (or Raffaello / Raphael) and Da Vinci, Michelangelo

During the revival of the three painters, style influence far behind. We are a radio chip design company, working with the painter

Is a creative industry, and the constant pursuit of innovation and breakthrough, and Raphael full name Rafael Sanzio da Urbino and the company focused

RadioFrequency (RFFrequency, RF) has a common abbreviation letters, so in the name of Rafael Micro.

Rafael Micro was founded in November 2006 and is comprised of senior RF professionals from the semiconductor industry.

RF chip design of the global leader, is also the only cross-strait has the ability to cross the high-end home appliances radio frequency

Chip supplier. Accumulated more than 200 million shipments not only to obtain customer trust, but also for the product reliability and the most stringent

Inspection and certification. Macro Microelectronics All RF chip products have their own patented technology and intellectual property. Which silicon

Tuner to own patented FM technology, filtering technology and advanced broadband RF circuit technology, the development of the competitive advantage is not easy to go beyond, but also Taiwan's IC design industry can only provide the TV and the box used by the high-end RF chip Company, shipments beyond Japan and South Korea wafer design plant

Business squeeze into the world's top three silicon crystal tuner chip suppliers, the product has successfully entered Europe, the United States, China, Japan, the major supply chain system.

Our belief is continuous technological innovation, and the use of innovative technology to bring human high-performance, high-quality RF chip solutions.