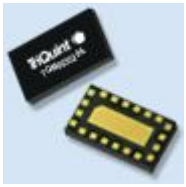
НОВАЯ ПРОДУКЦИЯ TriQuint Semiconductor

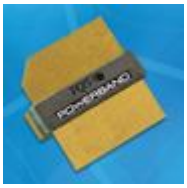
TriQuint SEMICONDUCTOR Connecting the Digital World to the Global Network®

Компания ООО “Виаком” представляет новую продукцию производителя СВЧ компонентов компании **TriQuint Semiconductor**



TQM663029A

Представлен новый модуль PA Дуплексор (антенный переключатель) для мобильной связи.
TQM613029, TQM653029, и TQM663029A представляют собой TRITIUM II PA-Duplexers™ для мобильных телефонов и поддерживают сотовую связь, AWS и PCS диапазоны соответственно. Разработчиками обеспечен минимальный ток потребления . В модуль размером 7x4 мм интегрированы: предатчик, фильтр, дуплексер, высокоэффективный усилитель PA, мощный ВЧ адаптер для согласования с регулятором напряжения, который необходим для подключения внешних устройств.

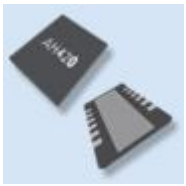


PowerBand™

Высокоэффективный, широкополосный PowerBand™ транзистор разработан по специальной ВЧ технологии. TriQuint Semiconductor создает революционно новые широкополосные дискретные транзисторы высокой мощности. Транзисторы TriQuint Semiconductor находят широкое применение в радарах и пеленгаторах помех и беспроводной связи.

AH322

TriQuint Semiconductor предлагает новый, высокоэффективный усилитель AH322, который находит применение в MCPAs (усилителаях мощности) и радиостанциях. Новый усилитель обладает следующими характеристиками: напряжение питания 5V, 14 dB gain при частоте 2.14 GHz. Образцы AH322 и серийные поставки возможны уже сегодня.



AH420

TriQuint Semiconductor предлагает новый 4W усилитель для базовых станций.
Новый усилитель AH420 имеет мощность 4W (P1dB), высокое линейное усиление, напряжение питания 5V и низкую стоимость. Идеален для применения в радиостанциях 400 - 2700MHz. Образцы AH322 к поставке доступны уже сегодня.

New GPS Module for Next-Generation Designs
The leader in GPS SAW filtering is bringing a new level of integration to the market with the TQM640002. This high-rejection GPS module incorporates an E/D pHEMT GaAs LNA along with SAW filters in TriQuint’s smallest 2-in-1 package. The module’s overall 3x3mm form factor makes it ultra-compact, ideally suited for wireless handset applications incorporating GPS.

TQM640002

The module is also well suited for PND and automotive location-based designs. There's zero matching required for 'plug-and-play' simplicity; supply voltage can be either 1.8 or 2.8V for added flexibility. Samples are now available; for details, please e-mail: info-networks@tqs.com .

TGA4906-SM

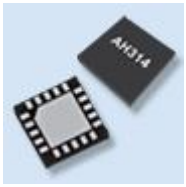
New Packaged VSAT Amplifier

TriQuint's new TGA4906-SM leads the industry with its compact, single-chip design. The new packaged device is a 4 Watt Ka-Band fully monolithic HPA ideally suited for VSAT ground terminal applications. The device offers high-level integration and excellent electrical performance including high efficiency to reduce energy consumption and the need for heat dissipation. For product details, email: info-networks@tqs.com

AP561

WiMAX PAs for Ultra-Efficient Systems

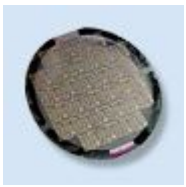
TriQuint's AP561 and AP562 amplifiers deliver greater than 1W linear power at 2.5% EVM, offering 13% PAE to meet the needs of ultra-efficient systems. The AP561 offers 12 dB gain across the 2.3-2.9 GHz band; the AP562 offers 12 dB gain across the 3.3-3.8 GHz band. The high output linear power and efficiency of these devices make them ideal for outdoor customer premise equipment (CPE) applications in WiMAX systems.



AH314

WiMAX PAs for BTS Applications

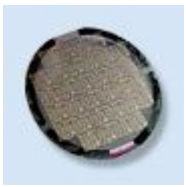
TriQuint's AH314 and AH315 amplifiers provide very low EVM (error vector magnitude) under high back-off power operating conditions while also offering very good gain flatness: less that 0.2 dB over 100 MHz. The AH314 is a two-stage amplifier with 23 dB gain operating from 2.3-2.9 GHz; the AM315 offers 25 dB gain from 3.3-3.8 GHz. The AH314 / 315 are ideal for WiMAX base transceiver station (BTS) applications requiring linearity margin prior to final stage amplifiers within the system.



GaN Amplifiers

GaN Amplifiers

TriQuint's family of GaN discrete die-level power amplifiers serves a wide range of base station, network infrastructure, defense and aerospace applications. The devices, TGF2023-xx, deliver up to 100W in total output power and offer 55% power added efficiency (PAE) for energy savings and smaller carbon footprints. Visit www.triquint.com for data sheet information. For additional details about GaN discrete devices, contact: grant.wilcox@tqs.com or phone: +1.972.994.3939.



GaN Foundry

GaN Foundry

TriQuint's gallium nitride (GaN) Foundry is open for wafer starts in September 2008. Dr. Gailon Brehm, Product Marketing Director for TriQuint encourages companies interested in GaN designs to meet with TriQuint as a step toward production. The new service will target communications applications through the Ku frequency band. GaN-based amplifiers offer inherent advantages compared to other solid-state amplifier technologies including up to 2.5-times the power density of high voltage GaAs devices. For additional details about TriQuint's gallium nitride Foundry services,

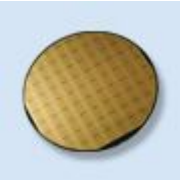
contact: lisa.howard@tqs.com or phone: +1.972.994.3985.

WJA1021

New Gain Block Family
The need for greater efficiency continues to drive networks applications and TriQuint is pleased to announce a new addition to its 5V gain block amplifier family. The WJA1021 is highly efficient to help reduce electrical consumption. The device also requires no external matching components typical to other solutions and can reduce customers' bill-of-materials. The WJA1021 provides +37 dBm OIP3 at 2 GHz and is available in a standard SOT-89 package. It is part of TriQuint's cascadable gain block family, offering designers flexibility and performance options tailored to individual needs. View data sheet at:
www.triquint.com/prodserv/more_info/proddisp.aspx?prod_id=WJA1021

ML485

Highly Linear Converter/Mixer
TriQuint's new ML485 offers highly linear performance with an integrated gallium arsenide (GaAs) mixer and LO driver amplifier, all in an ultra-small MSOP-8 package. The device is also lead-free and RoHS compliant – making it a 'green' product for next-generation designs. It offers market-leading linearity (up to 38dBm Input IP3) and integrated design for cellular and 3G/4G wireless base stations and similar applications. The ML485 integrates a LO buffer amplifier on-chip to provide for operations directly from standard frequency synthesizers, requiring 0 dBm drive, drawing only 40mA of current. View data sheet at:
http://www.triquint.com/prodserv/more_info/proddisp.aspx?prod_id=ML485



TQP13-N

TQP13-N GaAs Foundry Process
Building high performance millimeter wave applications has never been more cost-effective. TQP13-N incorporates optical lithography to greatly reduce the cost of production relative to similar processes based on E-beam gate lithography. Click here for more information:
http://www.tqs.com/prodserv/foundry/docs/TQP13-N.pdf

TQBiHEMT

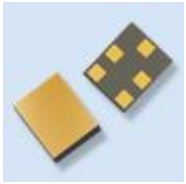
TQBiHEMT GaAs Foundry Process
TQBiHEMT integrates E/D pHEMT and HBT onto a single chip, thus reducing part count, saving board space and improving overall system costs. This process, well suited for applications with high data rates and frequencies, offers high levels of integration and functionality to accommodate today's increasingly demanding applications. Click here for more information:
http://www.tqs.com/prodserv/foundry/docs/TQBiHEMT.pdf

TriQuint SEMICONDUCTOR
AWR

Project JumpStart
Project JumpStart offers wireless start-ups and new customers of TriQuint and AWR an affordable, low-risk means of bringing wireless design prototypes to market. Eligible customers will receive a free 90-day lease of AWR's flagship high-frequency design software, Microwave Office® design suite, and a reduced-rate prototype development quick-turn (PDQ) shared-wafer

Project JumpStart

foundry run using TriQuint's TQPED 0.5µm pHEMT process. Click here for more information:
http://www.tqs.com/investors/press/dspPressRelease.cfm?pressid=312



856756

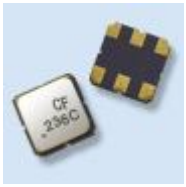
Ultra Low Loss/High Rejection GPS SAW

TriQuint has added the 856756, an ultra low loss GPS SAW filter with extraordinary rejection to its already extensive selection of filters used by a majority of the world's leading makers of personal navigation devices (PNDs). TriQuint supplies filters to three of the four largest PND manufacturers in the world. The TriQuint GPS filter portfolio encompasses the needs of all popular chipset design approaches. For further device details, please e-mail TriQuint Product Marketing: jraha@tqs.com.

TGA2806-SM

Next-Generation Cable TV Amplifier

The TGA2806-SM offers excellent performance for cable infrastructure applications as a gain block / transimpedance amplifier. It provides high output and excellent linearity. The device can replace two similar amplifiers in conventional designs, thus reducing overall system costs and eliminating the need for the extra matching circuitry while freeing PC board space. Contact TriQuint Product Marketing for details: info-networks@tqs.com



856653

New Cable SAW Provides 100MHz Bandwidth for DOCSIS® 3.0 Applications

TriQuint's newest filter for digital tuner applications, the 856653, enables tuner, modem and set-top box (STB) manufacturers to meet ultra-fast wideband DOCSIS® 3.0 performance for their cable products. The new filter, created using a new proprietary technique, provides a passband bandwidth of 100MHz at 1250MHz intermediate frequency in digital tuner applications which is needed to support DOCSIS 3.0 channel bonding, a technology that combines four-to-eight DOCSIS channels to significantly increase downstream data rates. TriQuint's new filter, believed to be the first SAW device to provide this level of wideband performance, is available now in sample and production quantities. For additional product details please contact TriQuint Product Marketing by e-mail: markus.behet@tqs.com.

LDMOS Products

High Performance LDMOS Products

TriQuint Semiconductor offers a broad portfolio of RF power transistors based on LDMOS (laterally diffused metal oxide semiconductor) technology, providing manufacturers with high-performance cost-competitive solutions for their RF power amplifier designs. TriQuint's LDMOS product portfolio supports the needs of wireless telecommunications base stations and MMDS (multichannel multipoint distribution service) applications, covering frequencies from 865MHz to 2.7GHz with RF output power from 30 Watts up to 180 Watts. Information about the new LDMOS products is available through TriQuint and its worldwide Representative sales network. (Click on the device photo for product data sheet access.)

Компания **TriQuint Semiconductor** производит продукты на основе GaAs, SAW, BAW и GaN технологий: усилители, транзисторы (Low Noise, Power LDMOS Avionics/Radar LDMOS Telecom GaAs MESFETs GaAs HFETs FETs), фильтры, дуплексеры (антенные коммутаторы), частотные конверторы (удвоители, смесители, многофункциональные, приемники, утроители частоты), переключающие модули, GaAs фильтры Бесселя, соеденители, RFID, аттенюаторы, ограничители, генераторы, фазовращатели, переключатели, монолитные интегральные микросхемы GaAs MMICs, стандартные фильтры 70 МГц, стандартные фильтры 140 МГц.
Продукция TriQuint Semiconductor находит широкое применение в : мобильной святи; 3G и 4G сотовых базовых станциях, WLAN, WiMAX, GPS и в военно-космической отрасли.

Дополнительную информацию об изделиях **TriQuint Semiconductor** и подробные Data Seet и каталоги можно получить на веб-странице по адресу: http://www.triquint.com

- TriQuint Product Selection Guide
- WJ Product Selection Guide
- Corporate & Product Overview
- Handset Products
- Defense & Aerospace Products
- Oscillator Products
- Foundry Services

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