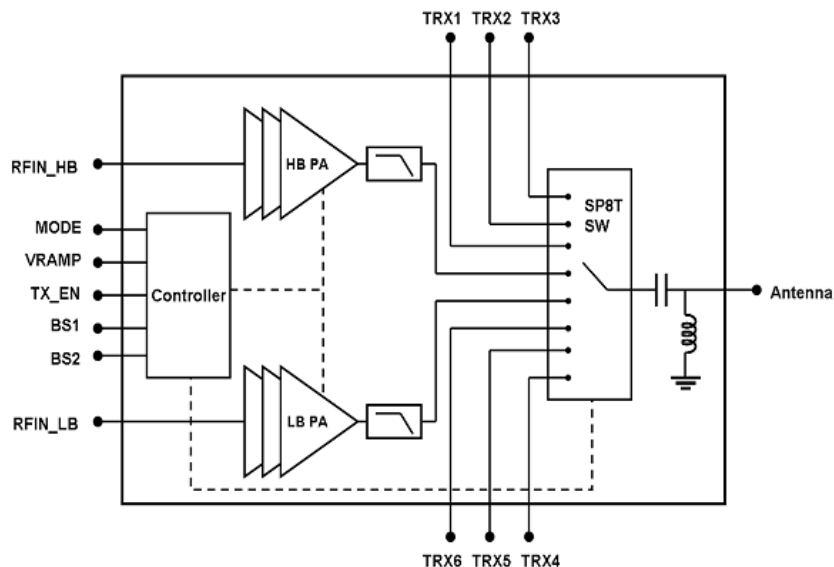


Front-End Solution> 3G Smart Phone TXM>AP6690

AP6690**Quad-Band GPRS/Linear EDGE Front-End Module with Six UMTS Ports and Dual-Band TD-SCDMA**

2015-11-17

絡達科技推廣企業公益 不落人後

2015-09-07

絡達攻陸 聯發科助拳

2015-08-27

絡達持續推出高毛利產品

2015-07-29

Airoha Technology Corp. appoints Mr. MH Shieh as Vice President

2015-07-09

執行長張志偉 讓絡達浴火重生

2015-07-09

晶片設計廠絡達科技 登錄興櫃

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Product Overview

AP6690 is a quad-band GSM/GPRS/EDGE (GSM850 / GSM900 / DCS1800 / PCS1900) and dual-band TD-SCDMA (Band 34/39) frond-end module (FEM) with six high linearity/ low insertion loss TRX ports for multimode applications.

This front-end module integrates high power/high efficiency PA blocks, high linearity/low insertion loss antenna switch and controller in a compact module. In addition, the built-in low pass filter rejects higher order harmonics and eliminates the need of external low pass filter network.

The AP6690 provides 50Ω matched input and output ports requiring no external matching network. It also integrates an ESD protection circuit to provide robust ESD protection at the antenna port.

Key Features

- Quad-band GSM/EDGE, dual-band TD-SCDMA transmit and Receive Front-end Module with Six High Linearity/ Low Insertion Loss TRX Ports
- High Efficiency
 - 38% for GSM850/EGSM900
 - 35% for DCS1800/PCS1900
- 0dBm to 6dBm Drive Level
- 50Ω Matched Input/Output
- >50dB Dynamic range
- Integrated Low Pass Filter for High Order Harmonics Rejection
- >8kV ESD Protection at Antenna Port
- Small Outline
 - 6mm x 6mm x 1.00mm
 - 28-pin configuration

Application

- Multimode Mobile Phone
 - Class 4 GSM850/GSM900
 - Class 1 DCS/PCS
 - Class 12 GPRS Multi-slot operation
 - Linear EDGE operation
 - Dual-band TD-SCDMA, Band 34/39
 - Six high linearity TRX ports for 3G application

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