



M/A-COM Technology Solutions Introduces Two New Front End Integrated Circuits

Integrated front end ICs for mid-band and high-band MoCA applications, are compatible with Entropic Communications Chipsets

Lowell, MA, July 25, 2011 - M/A-COM Technology Solutions Inc. (M/A-COM Tech), a leading supplier of high performance analog semiconductors, introduced today two new Front End Integrated Circuits (FEICs). The XZ1003-QT and XZ1004-QT are fully integrated, monolithic, FEICs for Multi Media over Coax Alliance (MoCA) mid-band and high-band RF applications. Both devices are fully compatible with Entropic Communications c.Link® MoCA RF transceivers.

Packaged in an industry-standard 3mm, 16 lead QFN package, these integrated circuits operate from a single 3.3 Volt supply. The ICs include a high linearity transmit amplifier, SPDT switch, power detector, digital attenuators bias and digital control circuitry. The integrated bias circuit stabilizes transmit amplifier performance over temperature and process variation with an optional bias adjustment.

Existing Front-End solutions require a 5 Volt amplifier in the transmit path which drives the need for an expensive voltage regulator. The XZ1003-QT and XZ1004-QT eliminate the need for a regulator whilst still meeting all MoCA 1.0 & 1.1 specifications.

Key applications for these devices are MoCA enabled customer premises equipment such as Home Gateways, Routers, Ethernet-to-Coax bridges, Network Attached Storage, and Set-Top-Boxes. These devices are also qualified for MoCA infrastructure applications, such as drop amplifiers, and Optical Network Terminals.

"M/A-COM Tech's FEICs simplify MoCA RF implementation," said Graham Board, Product Manager. "Integrating key RF functions along with bias and control logic into a single 3mm QFN, reduces real estate requirements, speeds up development cycles, and reduces system costs."

Engineering samples and production devices are available today from stock. Final datasheets and additional product information can be obtained from the M/A-COM Tech website at www.macomtech.com.

ABOUT M/A-COM TECHNOLOGY SOLUTIONS INC.

M/A-COM Technology Solutions (www.macomtech.com) is a leading supplier of high performance analog semiconductor solutions for use in radio frequency (RF), microwave, and millimeter-wave applications. Recognized for its broad portfolio of products, M/A-COM Tech serves diverse markets including CATV, wireless infrastructure, optical communications, aerospace and defense, automotive, industrial, medical, and mobile devices. M/A-COM Tech builds on more than 60 years of experience designing and manufacturing innovative product solutions for customers worldwide.

Headquartered in Lowell, Massachusetts, M/A-COM Tech is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. M/A-COM Tech has design centers and sales offices throughout North America, Europe, Asia and Australia.

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