EV9980

Evaluation Kit for the CMX998

The EV9980 EvKit allows rapid and full evaluation of the **CMX998 Cartesian Feedback Loop Transmitter IC**. This flexible platform enables users, using a control interface, to configure and evaluate the CMX998 to various applications and frequency bands.

Features

- Allows Full Evaluation of the CMX998 IC
- Operational Frequency Range: 100MHz to 1GHz
- Complete Demonstration of CFBL Functionality
- Access to RF, Control and Baseband Signals
- Support and Interfacing for Customer PAs
- Differential or Single-ended I and Q Inputs
- 360 Loop Phase Shift Control
- Can utilise PE0003 interface to work with a PC or can be used with custom interface equipment

Supply Requirement

- 7.2 V (typ)
- 1.2 V and 3.6 V for on-board RF PA

For further information, please refer to the 'Design Resources' section on the CMX998 product page at cmlmicro.com

Access is provided to all CMX998 RF, baseband and control signals by either connector or test points. Test access points are available to accept common test equipment such as RF and baseband signal generators and spectrum analysers.

All signal paths are matched by suitable components and the EvKit provides a power amplifier (PA) device at 450MHz which can be modified to provide operation at 800MHz. The EvKit can also be configured for an external PA. The overall operating evaluation frequency range of the EvKit is for RF frequencies between 100MHz and 1GHz.

The EV9980 can be configured to work with the CMX981 Digital Radio Baseband processor IC, standard test equipment or with a custom baseband system.

No software is required for use of the EvKit; the on-board CMX998 is controlled via its C-BUS serial interface and control system. This can be controlled by a PE0003 universal interface card (available separately) or, alternatively, a custom C-BUS interface and control system can be used.

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WHAT TO DO NEXT

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CML Microcircuits Benefits

Faster time to market

Developing proven high performance and field tested ASSP ICs, CML is helping engineers to cope with increasing
pressure in delivering shorter project design cycles.

Design flexibility

CML's *FirmASIC*® reconfigurable technology with the use of a Function Image upload enables a single hardware platform to be used for multiple communications systems.

High Quality

With 100% of products being tested before shipping, customers are assured of the highest reliability.

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Low Power

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