CML 3-Stage Power Amplifier IC offers 39 dB Gain

10/31/2019 – San Jose, California: RFMW announces design and sales support for CML Microcircuits’ CMX902 RF power amplifier IC. Offering greater than 60% efficiency at VHF frequencies, this 3-stage amplifier spans 130 to 700 MHz with up to 39 dB of RF power gain. Output power at 160 MHz, with a 4V supply, reaches 2.8 watts. At 435 MHz, 1.75 watts is available with a 3.3V supply supporting IoT and Smart Meter applications in the ISM band. Other applications include VHF and low-UHF radio such as data module and Marine VHF communications. The first and second amplifier stages operate in a class-A and class-AB mode respectively. The third stage operates in class-C mode for maximum efficiency. Input and output matched circuits are implemented via external components and therefore can be adjusted to obtain maximum power and efficiency at the desired operating frequency. The CMX902 is available in a small footprint 5 x 5 mm, low thermal resistance, 28-pin, WQFN package.

Samples are available for qualified requirements through RFMW at 1-877-FOR RFMW (367-7369) within North America; or please find your local sales engineer (worldwide) at the contact page on the RFMW web site.

About RFMW

RFMW is a specialty electronics distribution company focused exclusively on serving customers that require RF and microwave components and semiconductors, as well as component engineering support. The company continues to expand its list of products from selective suppliers with RF/microwave expertise. RFMW deploys a highly experienced, technically skilled team to assist customers with component selection and fulfillment.

To learn more about RFMW, visit their Website at www.rfmw.com, or call us at 1.877.FOR.RFMW (367-7369), or via e-mail at info@rfmw.com.

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