Low Voltage GaAs HBT Amplifiers deliver High Power

4/27/2021 – San Jose, California: RFMW announces design and sales support for two MMIC power amplifiers from CML Microcircuits. The CMX90A003 and CMX90A004 are two-stage, fully matched MMIC power amplifiers for use in 860 – 960 MHz, license-free bands. Advanced GaAs HBT technology provides a combination of high efficiency (49% PAE) and gain (30 dB). The CMX90A003 is optimized for efficiency at low collector voltages (1.9 - 2.5 V) while delivering 29.5 dBm of saturated power, ideal as a booster PA for range extension of low-power transceivers, it’s suitable for systems with supercapacitor backup storage, thus extending the discharge period or battery life. The CMX90A004 is optimized for maximum efficiency at collector voltages of 2.7 - 4.5 V and intended as a final stage amplifier with 32.5 dBm saturated output power.

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.