Rugged Transistor delivers 150 Watts for ISM

2/9/2022 – San Jose, California: RFMW announces design and sales support for a high-power transistor from Ampleon. The ART150FEU, LDMOS power transistor provides 150 W of pulsed or CW RF energy for ISM applications ranging from 1 to 650 MHz. Offering up to 31 dB of gain and typical drain efficiency of >72%, this transistor supports plasma generators, MRI systems, CO2 lasers and particle accelerators. High breakdown voltage enables class E operation up to 50 volts VDS while the ART150FEU is qualified up to a maximum VDS of 65 V. The device is characterized from 30 to 65 volts. Integrated dual-sided ESD protection enables class C operation and complete switch off of the transistor. Advanced Rugged Technology (ART) is capable of withstanding load mismatches corresponding to a VSWR of 65:1. Additional uses are found in radio and VHF TV broadcast transmitters as well as HF communications and Radar systems.

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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