

MACOM Expands GaAs MMIC Portfolio with Two Wideband Power Amplifier Products

- 20 – 45 GHz operation
- High gain and power efficiency
- Ideal for use as driver or power amplifiers for Microwave Communications, Test and Measurement, Aerospace & Defense and Multi-Market applications

Lowell, Massachusetts, August 5, 2020– [MACOM Technology Solutions Inc.](#) (“MACOM”), a leading supplier of semiconductor solutions, today announced at the virtual International Microwave Symposium (IMS), two new wideband MMIC power amplifier products, the MAAM-011291-DIE and MAAM-011277-DIE.

The [MAAM-011277-DIE](#) is a wideband 0.25 Watt power amplifier. This power amplifier has 22 dB of linear gain and 25dBm P3dB with 17% PAE while biased at 5 V. The product is ideally used as a driver amplifier for applications in the 20 GHz to 45 GHz range.

The [MAAM-011291-DIE](#) is a wideband 1 W power amplifier MMIC die with 19 dB of linear gain, 30dBm P3dB and 15% PAE while biased at 5 V. This product can be used as a driver or power amplifier in applications covering 20 GHz to 45 GHz.

Performance Highlights

Parameters	MAAM-011277-DIE	MAAM-011291-DIE
Frequency (GHz)	20 – 45	20 – 45
Gain (dB)	24.5 @ 39GHz	19
P1dB (dBm)	23.5 @ 39GHz	28.5
P3db (dBm)	25	30
Output IP3 (dBm)	30	35

MACOM will highlight its RF portfolio at the 2020 virtual International Microwave Symposium (IMS), August 4th – 6th. We invite you to sign-up for a private meeting with our engineering, applications and sales teams to learn about our latest products and technology. For more information about MACOM’s RF technology solutions, please visit: [www.macom.com](#).

ABOUT MACOM:

MACOM designs and manufactures semiconductor products for Datacenter, Telecommunication and Industrial and Defense applications. Headquartered in Lowell, Massachusetts, MACOM has design centers and sales offices throughout North America, Europe and Asia. MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard.

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