

## MACOM Introduces New Ku Band 4-Watt Power Amplifier

- *MAAP-011313 is ideally suited for Ku-Band VSAT and Satcom Applications*
- *Device provides 36dB of linear gain and 4W power at P3dB*

**Lowell, Massachusetts, August 4, 2020**– [MACOM Technology Solutions Inc.](https://www.macom.com) (“MACOM”), a leading supplier of semiconductor solutions, today announced at the virtual International Microwave Symposium (IMS) the new [MAAP-011313](#) Ku-Band power amplifier.

The MAAP-011313 is a 4-Watt power amplifier packaged in a lead-free 5 mm surface mount QFN plastic package. This power amplifier operates from 13.5 to 15 GHz and provides 36 dB of linear gain, 4 Watts of saturated output power and 28% efficiency while biased at +6 V. The MAAP-011313 can be used as a power amplifier stage or as a driver stage in higher power applications. This device is ideally suited for linear Ku-band VSAT and point-to-point radio applications.

MACOM will highlight its RF portfolio at the 2020 Virtual International Microwave Symposium (IMS), August 4<sup>th</sup> – 6<sup>th</sup>. 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](https://www.macom.com).

Typical part number performance:

Parameters	MAAP-011313
Frequency (GHz)	13.5 – 15.0
Gain (dB)	36
P1dB (dBm)	34.5
P3dB (dBm)	36.0
IIM3 Level (dBc)	-28 @P <sub>OUT</sub> 28dBm
PAE (%)	28 @ P3dB
Input & Output Return Loss (dB)	15
Package	5mm QFN

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**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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