



Partners in RF & Microwave

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MACOM Announces Broadband Amplifier for the Universal Front-End Customer-Premises Equipment

5V Low Noise Amplifier boasts superior broadband performance for 75 Ω customer premises equipment in ultra-small 2x2mm 8-lead package

LOWELL, Mass.--(BUSINESS WIRE)-- M/A-COM Technology Solutions Inc. ("MACOM"), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced a new 5V RF Low Noise Amplifier ideally suited for 50-2700 MHz cable, terrestrial and satellite applications.



The MAAM-011117 is packaged in an 8-lead 2mm x 2mm plastic package that incorporates a number of off-chip components resulting in a highly integrated solution for space constrained front-ends. (Photo: Business Wire)

The [MAAM-011117](#) is an innovative amplifier solution for customers who need a broadband, high performance solution for customer-premises equipment applications. Operating over a 50-2700 MHz frequency bandwidth, this 'green' device incorporates a power-down function in order to minimize power consumption during stand-by. The [MAAM-011117](#) is packaged in an 8-lead 2mm x 2mm plastic package that incorporates a number of off-chip components resulting in a highly integrated solution for space constrained front-ends. The amplifier delivers high gain of 16dB, low noise of 2.7 dB and very low distortion performance - altogether providing the customers with a universal amplifier solution for easy and efficient front-end implementation.

"The [MAAM-011117](#) has been designed specifically for customers requiring a highly linear, low noise, amplifier solution that covers DVT-T,-C and-S bands" said Graham Board, Product Manager, Networks. "The device boasts 16dB Gain across a matched 50 to 2700MHz band. This in conjunction with low power consumption, very low distortion and a power down mode make the MAAM-011117 the ideal solution for customer-premises equipment universal front-end.

The table below outlines typical performance:

Parameter	Units	MAAM-011117
Frequency Range(RF)	MHz	50-2700
Gain	dB	16
Noise Figure	dB	2.7-3.0
Input Return Loss	dB	12
Output Return Loss	dB	16

Production quantities and samples of [MAAM-011117](#) are available from stock. Final datasheets and additional product information can be obtained from the MACOM website at: www.macomtech.com.

ABOUT MACOM:

M/A-COM Technology Solutions (www.macomtech.com) is a leading supplier of high performance RF, microwave, and millimeter wave products that enable next-generation Internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including CATV, wireless and optical communications infrastructure, satellite, radar, automotive, industrial, medical, and mobile devices. A pillar of the RF and microwave industry, we thrive on more than 60 years of solving our customers' most complex problems.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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Photos/Multimedia Gallery Available: <http://www.businesswire.com/multimedia/home/20131212006082/en/>

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