

## MACOM's Leading Portfolio of New MMICs

### Gain Block & LNA

Part	Gain (dB)	Min Freq (MHz)	Max Freq (MHz)	Package
<a href="#">MAAM-011206</a>	14.5	DC	15,000	1.5 x 1.2 mm DFN Package
<a href="#">MAAM-011229</a>	19.0	50	4,000	2 x 2 mm DFN Package
<a href="#">MAAL-011130</a>	20.0	2,400	18,500	2 x 2 mm DFN Package
<a href="#">MAAL-011129</a>	23.0	18,000	31,500	2 x 2 mm PDFN Package

### Wired Broadband Amplifiers

Part	Gain (dB)	Min Freq (MHz)	Max Freq (MHz)	Package
<a href="#">MAAM-011220</a>	18	48	1,218	SOT-89 Package
<a href="#">MAAL-011136</a>	20	45	1,218	SOT-89 Package
<a href="#">MAAM-011163</a>	19	5	1,218	SOIC-8EP Package
<a href="#">MAAM-011162</a>	18	5	1,218	SOT-89 Package
<a href="#">MAAM-011194</a>	36	45	1,218	5 x 7 mm PQFN 40-LD

### Wideband Power Amplifiers

Part	Gain (dB)	Min Freq (MHz)	Max Freq (MHz)	Package
<a href="#">MAAP-011248-DIE</a>	12.5	0.1	22,000	Die Size: 2.99 x 1.5 x 0.1 mm
<a href="#">MAAP-011247-DIE</a>	12.0	0.1	22,000	Die Size: 2.99 x 1.5 x 0.1 mm
<a href="#">MAAP-011248</a>	13.0	DC	22,000	5 mm 32-lead AQFN Package
<a href="#">MAAP-011247</a>	12.0	DC	22,000	5 mm 32-lead AQFN Package

### SATCOM Power Amplifiers

Part	Gain (dB)	Min Freq (MHz)	Max Freq (MHz)	Package
<a href="#">MAAP-011289</a>	20	28,000	30,500	5 mm QFN Package
<a href="#">MAAP-011060</a>	30	1,616	1,626.5	6 mm LGA Package

### Voltage Controlled Oscillators

Part	Pout (dBm)	Min Freq (MHz)	Max Freq (MHz)	Package
<a href="#">MAOC-409000</a>	1	6,000	12,000	4 mm 24-lead QFN Package
<a href="#">MAOC-410100</a>	1	7,000	14,000	4 mm 24-lead QFN Package
<a href="#">MAOC-415000</a>	3	10,000	20,000	4 mm 24-lead QFN Package

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## Power Amplifiers

Part	Gain (dB)	Min Freq (MHz)	Max Freq (MHz)	Package
<a href="#">MAAP-011232</a>	23	100	30,000	3 mm 16-lead PQFN package
<a href="#">MAAP-011199</a>	12	80,000	100,000	Die Size: 1800 x 2000 $\mu\text{m}^2$

**Upcoming Release:** A family of Wideband Low Noise Amplifiers