PRESS RELEASE

MACOM Announces Industry’s First DC-40 GHz, 6-bit Digital Attenuator

Industry leading accuracy achieved in both bare DIE and 3mm PQFN package

Lowell, Mass., May 15, 2014 - M/A-COM Technology Solutions Inc. (“MACOM”), a leading supplier of high performance RF, microwave, and millimeter wave products, today announced a new wideband 6-bit digital attenuator which is ideal for broadband applications, such as military radar and radio systems, test equipment, and commercial microwave radio and satellite links.

The digital attenuator is offered as both bare DIE, MAAD-011021-DIE, and in a 3mm PQFN package, MAAD-011021, and operates from DC-40GHz and DC-30 GHz respectively. The 6-bit digital attenuator provides up to 31.5 dB of attenuation in 0.5 dB steps with attenuation error typically less than +/- 0.5 dB and industry leading phase accuracy of 4 degrees RMS error at 20 GHz. The digital attenuator integrates TTL digital control and is fully matched across the bandwidth of operation which enables the customer simple and fast implementation.

“The new digital attenuator offers the industry’s widest bandwidth 6-bit digital attenuator with the lowest phase variation performance available,” said Paul Beasly, Product Manager. “In combination with the 3mm PQFN option, the product offers customers a high frequency, small size, digital attenuator solution for applications that demand the greatest accuracy performance.”

The table below outlines typical performance:

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Units</th>
<th>MAAD-011021 DIE</th>
<th>MAAD-011021-000DIE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>GHz</td>
<td>DC-30</td>
<td>DC-40</td>
</tr>
<tr>
<td>Attenuation Bits</td>
<td>-</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Attenuation Range</td>
<td>dB</td>
<td>31.5</td>
<td>31.5</td>
</tr>
<tr>
<td>Attenuation Bit Error</td>
<td>dB</td>
<td>+/-0.5</td>
<td>+/-0.5</td>
</tr>
<tr>
<td>Phase RMS Variation</td>
<td>Deg</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Input P0.1</td>
<td>dB</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Switching Time</td>
<td>ns</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>Package</td>
<td>--</td>
<td>3mm PQFN</td>
<td>Bare Die</td>
</tr>
</tbody>
</table>
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Samples of MAAD-011021-000DIE and MAAD-011021 are available from stock. Final datasheets and additional product information can be obtained from the MACOM website at: www.macom.com.

Visit us at Booth 915 at IMS 2014 to meet our experts and get detailed answers to your questions: MACOM at IMS 2014

ABOUT M/A-COM TECHNOLOGY SOLUTIONS INC.
M/A-COM Technology Solutions Holdings, Inc. (www.macom.com) is a leading supplier of high performance analog 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 high speed optical, satellite, radar, wired & wireless networks, CATV, automotive, industrial, medical, and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

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

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