Digital Variable Gain Amplifier

※ Notice: BVA303/BVA304/BVA305/BVA518/BVA2140_not recommend for new design

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Freq. (MHz)</th>
<th>Gain(dB) at 1900MHz</th>
<th>OP1dB(dBm) at 1900MHz</th>
<th>OIP3(dBm) at 1900MHz</th>
<th>ATT Range/Step Size(dB)</th>
<th>Control Interface</th>
<th>Vc(V)</th>
<th>Icc(mA)</th>
<th>NF(dB)</th>
<th>PKG</th>
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</thead>
<tbody>
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<td>BVA303</td>
<td>30-4000</td>
<td>21.1</td>
<td>16.0</td>
<td>29.0</td>
<td>31.5 / 0.5</td>
<td>Serial/Parallel</td>
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<td>54</td>
<td>2.9</td>
<td>QFN 4x4</td>
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<td>21.0</td>
<td>16.0</td>
<td>29.8</td>
<td>31.5 / 0.5</td>
<td>Serial/Parallel</td>
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<td>55</td>
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<td>19.3</td>
<td>31.5</td>
<td>31.5 / 0.5</td>
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<td>31.5 / 0.5</td>
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<td>Part No.</td>
<td>Freq. (MHz)</td>
<td>Gain(dB) at 3550MHz</td>
<td>OP1dB(dBm) at 3550MHz</td>
<td>OIP3(dBm) at 3550MHz</td>
<td>ATT Range/ Step Size(dB)</td>
<td>Control Interface</td>
<td>Vc(V)</td>
<td>Icc(mA)</td>
<td>NF(dB)</td>
<td>PKG</td>
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</table>

Part No.: BVA2140B
Freq.: 700-4000 MHz
Gain(dB) at 3550MHz: 30.4
OP1dB(dBm) at 3550MHz: 25.6
OIP3(dBm) at 3550MHz: 40.2
ATT Range/ Step Size(dB): 31.5 / 0.5
Control Interface: Serial
Vc(V): 5.0
Icc(mA): 150
NF(dB): 2.7
PKG: QFN 4x4

Part No.: BVA3143
Freq.: 3300-3800 MHz
Gain(dB) at 3550MHz: 39.7
OP1dB(dBm) at 3550MHz: 26.2
OIP3(dBm) at 3550MHz: 43.0
ATT Range/ Step Size(dB): 31.75 / 0.25
Control Interface: Serial
Vc(V): 5.0
Icc(mA): 310
NF(dB): 3.9
PKG: LGA 6x6

Part No.: BVA3144
Freq.: 4400-5000 MHz
Gain(dB) at 4650MHz: 36.3
OP1dB(dBm) at 4650MHz: 26.0
OIP3(dBm) at 4650MHz: 41.0
ATT Range/ Step Size(dB): 31.75 / 0.25
Control Interface: Serial
Vc(V): 5.0
Icc(mA): 310
NF(dB): 4.0
PKG: LGA 6x6