Features
- Frequency Range 1.0 to 10.0 GHz
- Very Broadband
- Surface Mount Package
- 0 to +5 dBm Typical Input Power
- +21 dBm Typical Saturated Output Power

Electrical Specifications - Specifications guaranteed from -30 to +70°C, measured in a 50-Ohm system.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Frequency (GHz)</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input (dBm)</td>
<td>1.0-10.0</td>
<td>0 to +5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturated Output Power (dBm)</td>
<td>1.0-10.0</td>
<td>+18</td>
<td>+21</td>
<td></td>
</tr>
<tr>
<td>Small Signal Gain (dB)</td>
<td>1.0-10.0</td>
<td>26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise Figure (dB)</td>
<td>1.0-10.0</td>
<td>3.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bias Requirements (mA)</td>
<td>200</td>
<td>250</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
+5.0 Volts DC                     | 10              | 20     |       |        |
-0.7 Volts DC (-5 volt DC Option) |                 |        |       |        |

1 It is recommended that the negative bias be applied before or concurrent with the positive bias.

*Note: EZ-Carrier Buffer Amplifiers are not suitable for in-line reflow solder. Manual assembly only. (Refer to EZ/EQ Amplifiers Installation Notes).

Part Number Options

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Package Style(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-0110EZ (OBS)</td>
<td>1.0 to 10.0 GHz Amplifier</td>
<td>EZ, EZP</td>
</tr>
<tr>
<td>A-0110EZP (OBS)</td>
<td>1.0 to 10.0 GHz Amplifier</td>
<td>EZ, EZP</td>
</tr>
</tbody>
</table>

1 Connectorized test fixtures available for most surface mount packages. Contact factory.

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LO BUFFER-AMPLIFIER

Frequency 1.0 to 10.0 GHz

Typical Performance

Saturated Output Power - dBm

3rd Harmonic Output Power - dBm

Second Harmonic - dBc

Input VSWR

Output VSWR

DATA SHEET NOTES:

1. Maximum input power without damage is +20 dBm at +70°C.
2. Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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