SQUARE-WAVE
LO BUFFER-AMPLIFIER

Features
- Frequency Range 5.0 MHz to 10.0 GHz
- Ultra-Broadband
- Surface Mount Package
- +5 dBm Typical Input Power
- +25 dBm Typical Saturated Output Power
- Buffer-Amplifiers for Mixer LO

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>.005-10.0</td>
<td>+5 to +10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturated Output Power (dBm)</td>
<td>±6 Volts Bias</td>
<td>+22</td>
<td>+25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>±5 Volts Bias</td>
<td>+20</td>
<td>+23</td>
<td></td>
</tr>
<tr>
<td>DC Bias Requirements (mA)</td>
<td>±5.0 to +7.0 Volts</td>
<td>265</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td></td>
<td>±3.0 to -6.0 Volts</td>
<td>20</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

*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>Package Style</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connectorized</td>
<td>A-0010EZ, A-0010EZP</td>
</tr>
<tr>
<td>Surface Mount</td>
<td>A-0010 (Model)</td>
</tr>
</tbody>
</table>

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

NOTE: This product is obsolete. Please see this letter for more information.

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LO BUFFER-AMPLIFIER

A-0010

Frequency .005 to 10.0 GHz

Typical Performance

DATA SHEET NOTES:

1. Maximum input power without damage is +18 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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