

SQUARE-WAVE LO BUFFER-AMPLIFIER

A-0010

NOTE: This product is obsolete.
[Please see this letter for more information.](#)

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.

| Parameter | Frequency (GHz) | Min | Typ | Max |
|--|-----------------|-----|-----------|-----|
| Input (dBm) | .005-10.0 | | +5 to +10 | |
| Saturated Output Power (dBm) | | | | |
| ±6 Volts Bias | .005-10.0 | +22 | +25 | |
| ±5 Volts Bias | .005-10.0 | +20 | +23 | |
| DC Bias Requirements (mA) ¹ | | | | |
| +5.0 to +7.0 Volts | | | 265 | 300 |
| -3.0 to -6.0 Volts | | | 20 | 30 |

¹It 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

| <i>Please specify a package style by adding to the model number.</i> | | | |
|--|---------------------------|---------------------|-------------------------------|
| Package Style | | Examples | |
| Connectorized | EZP (OBS) | A-0010EZ, A-0010EZP | |
| Surface Mount ¹ | EZ (OBS) | A-0010 (Model) | EZP (Package) |

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

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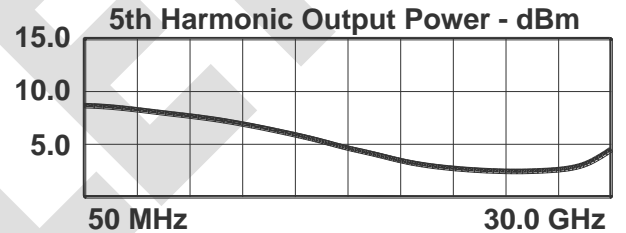
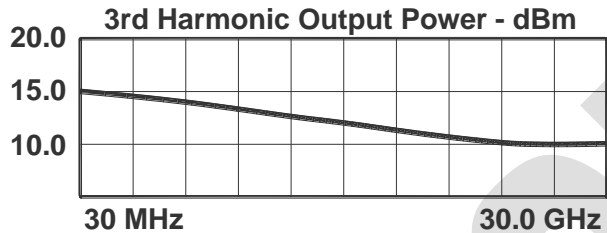
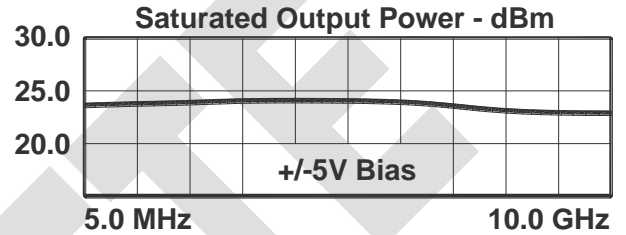
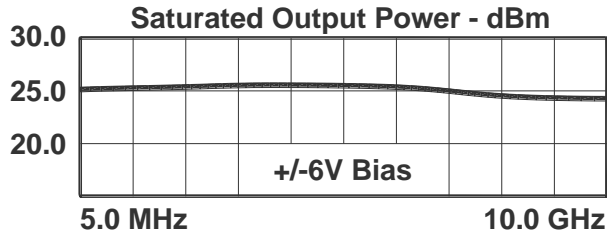
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Frequency .005 to 10.0 GHz

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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