



SQUARE-WAVE LO BUFFER-AMPLIFIER

A-0030

Features

- Frequency Range 5.0 MHz to 30.0 GHz
- Ultra-Broadband
- Surface Mount Package
- +5 dBm Typical Input Power
- +23 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)	.005-30.0		+5 to +10	
Saturated Output Power (dBm)				
±6 Volts Bias	.005-30.0	+17	+23	
±5 Volts Bias	.005-30.0	+16	+21	
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

Please specify a package style by adding to the model number.			
Package Style		Examples	
Connectorized	EZP	A-0030EZ, A-0030EZP	
Surface Mount ¹	EZ	A-0030 (Model)	EZP (Package)

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

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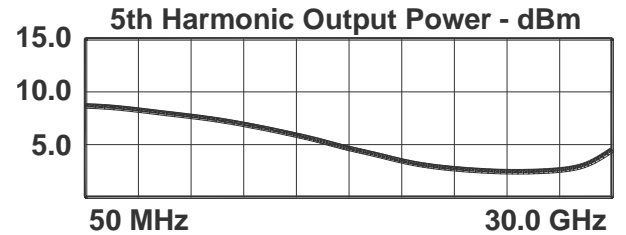
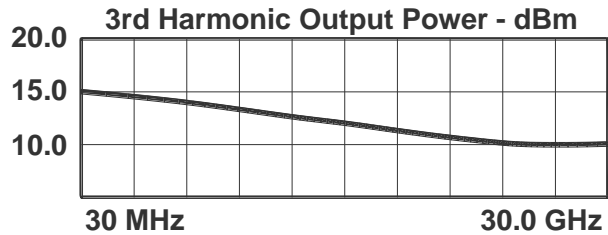
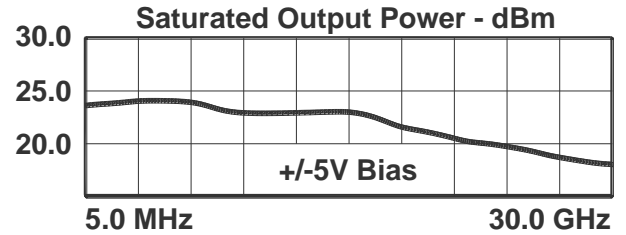
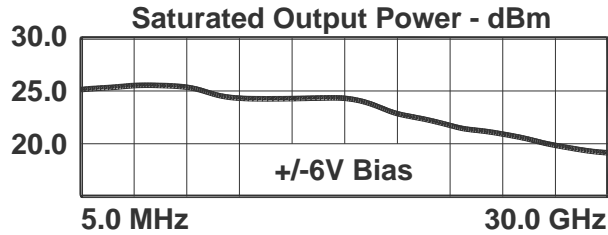
LO BUFFER-AMPLIFIER

Page 2

A-0030

Frequency .005 to 30.0 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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