

SQUARE-WAVE LO BUFFER-AMPLIFIER

A-0120



Features

- Frequency Range 1.0 to 20.0 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.

Parameter	Frequency (GHz)	Min	Typ	Max
Input (dBm)	1.0-20.0		0 to +5	
Saturated Output Power (dBm)	1.0-20.0	+18	+21	
Small Signal Gain (dB)	1.0-20.0		26	
Noise Figure (dB)	1.0-20.0		3.5	
Bias Requirements (mA) ¹				
+5.0 Volts DC			200	250
-0.7 Volts DC (-5 volt DC Option)			10	20

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

Model Number	Description	Package Style(s) ¹
A-0120EZ (Add "5" for -5V Option) A-0120EZP (Add "5" for -5V Option)	1.0 to 20.0 GHz Amplifier	EZ , EZP

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

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use of or application of any product.



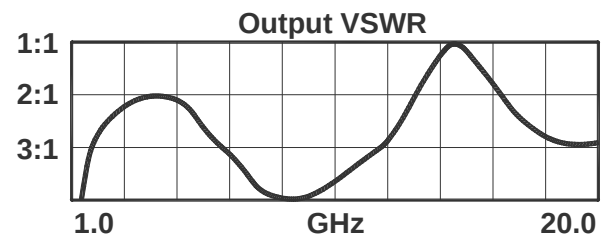
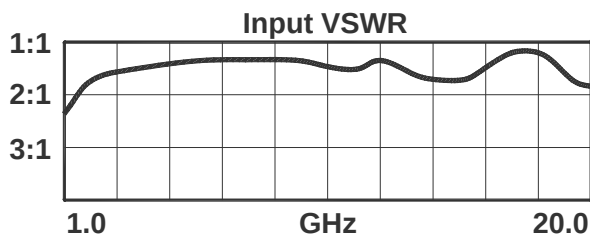
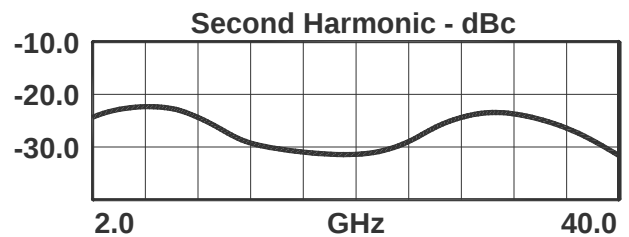
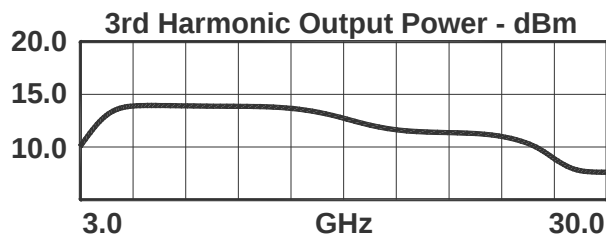
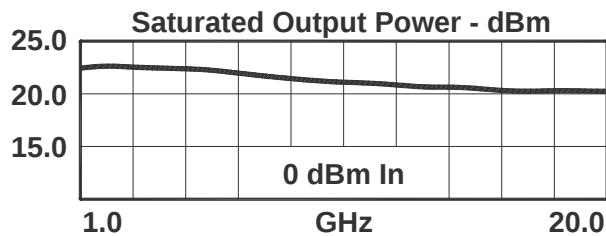
LO BUFFER-AMPLIFIER

Page 2

A-0120

Frequency 1.0 to 20.0 GHz

Typical Performance



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.

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation, or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use or application of any product.

© Marki Microwave, Inc.



215 Vineyard Court, Morgan Hill, CA 95037 | Ph: 408.778.4200 | Fax 408.778.4300 | info@markimicrowave.com

www.markimicrowave.com