

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.

***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

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

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

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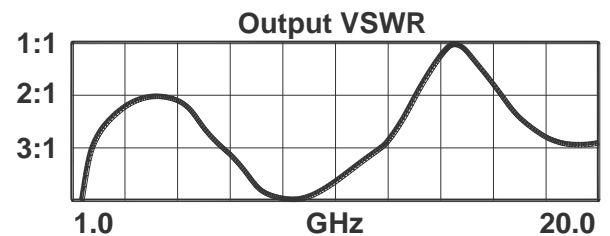
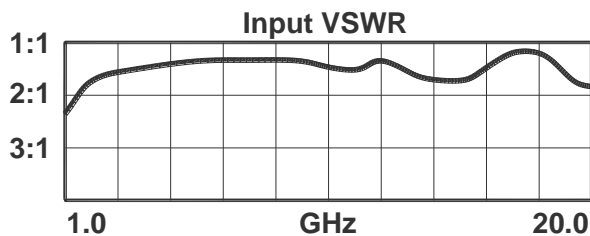
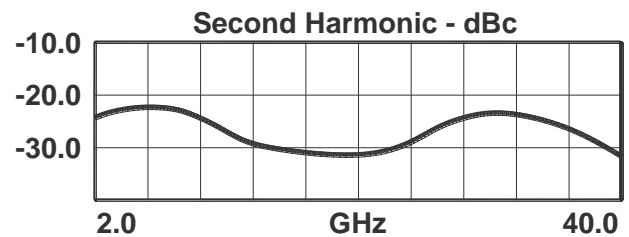
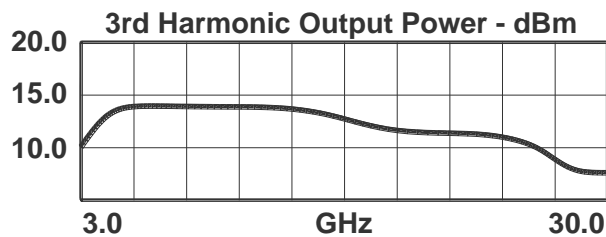
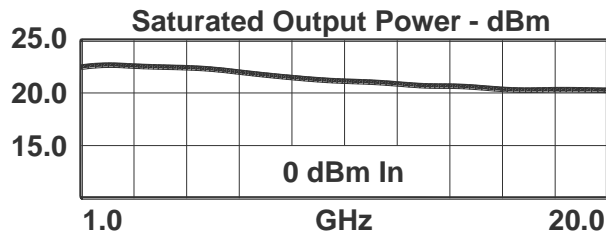
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Frequency 1.0 to 20.0 GHz

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.

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