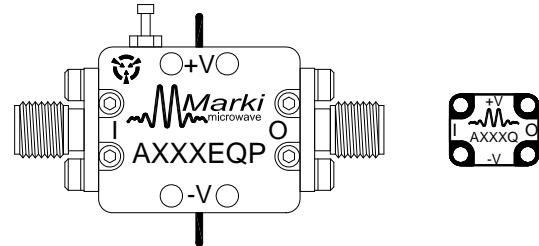


SQUARE-WAVE
LO BUFFER-AMPLIFIER

A-115



Features

- Frequency Range 1.0 to 15.0 GHz
- Very Broadband
- Surface Mount Package
- +10 dBm Typical Input Power
- +20 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)	1.0-15.0		+10 to +15	
Saturated Output Power (dBm)	1.0-15.0	+16	+20	
Small Signal Gain (dB)	1.0-15.0		13	
Noise Figure (dB)	1.0-15.0		3.5	
Bias Requirements (mA) ¹				
+5.0 Volts DC			105	125
-0.7 Volts DC (-5 volt DC Option)			10	10

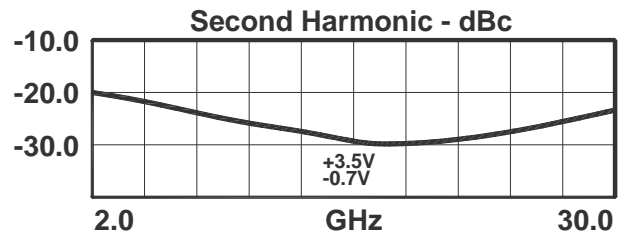
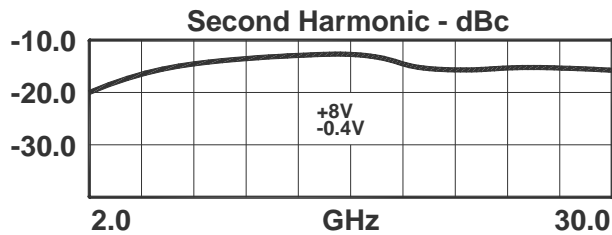
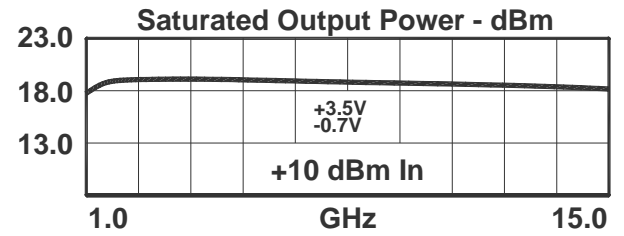
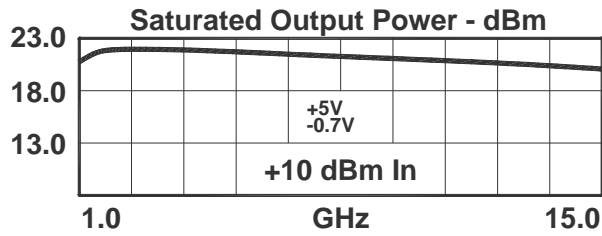
¹It is recommended that the negative bias be applied before or concurrent with the positive bias.

Model Number	Description	Package Style(s) ¹
A-115EQ (Add "5" for -5V Option) A-115EQP (Add "5" for -5V Option)	1.0 to 15.0 GHz Amplifier	EQ , EQP

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

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

www.markimicrowave.com