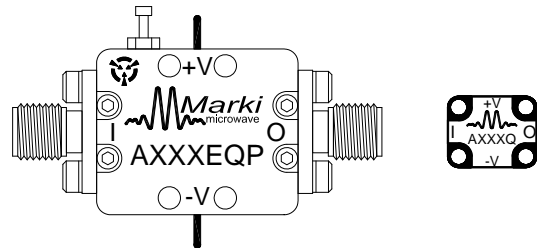




SQUARE-WAVE LO BUFFER-AMPLIFIER

A-120



Features

- Frequency Range 1.0 to 20.0 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) | 1.0-20.0 | | +10 to +15 | |
| Saturated Output Power (dBm) | 1.0-20.0 | +16 | +20 | |
| Small Signal Gain (dB) | 1.0-20.0 | | 13 | |
| Noise Figure (dB) | 1.0-20.0 | | 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-120EQ (Add "5" for -5V Option) A-120EQP (Add "5" for -5V Option) | 1.0 to 20.0 GHz Amplifier | EQ , EQP |

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

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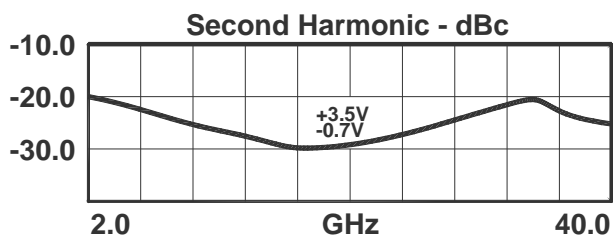
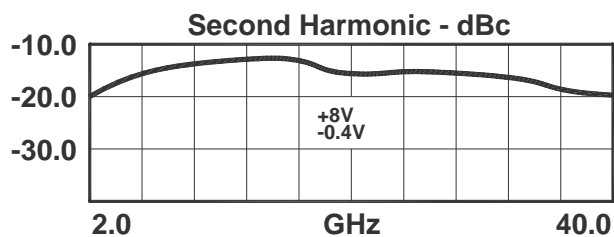
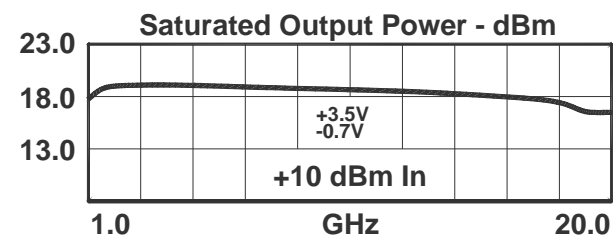
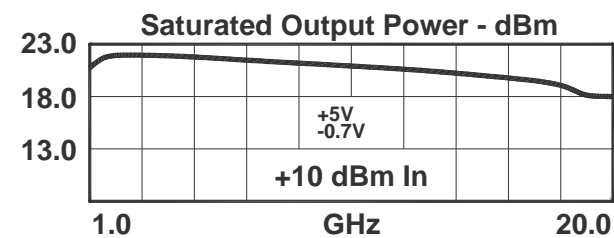
LO BUFFER-AMPLIFIER

A-120

Page 2

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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