



**POSITIVE-BIAS ONLY
SQUARE-WAVE
LO BUFFER-AMPLIFIER**

AP-0115



Features

- Frequency Range 1.0 to 15.0 GHz
- Positive Bias Only Required
- Very Broadband
- Surface Mount Package
- 0 to +15 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)	1.0-15.0		0 to +15	
Saturated Output Power (dBm)				
+6 Volts Bias	1.0-15.0	+18	+22	
+5 Volts Bias	1.0-15.0	+17	+21	
Small Signal Gain (dB)	1.0-15.0		26	
Noise Figure (dB)	1.0-15.0		3.5	
Bias Requirements (mA)				
+5.0 to +6.3 Volts DC			230	

Model Number	Description	Package Style(s) ¹
AP-0115EZ AP-0115EZP	1.0 to 15.0 GHz Amplifier	EZ , EZP

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

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



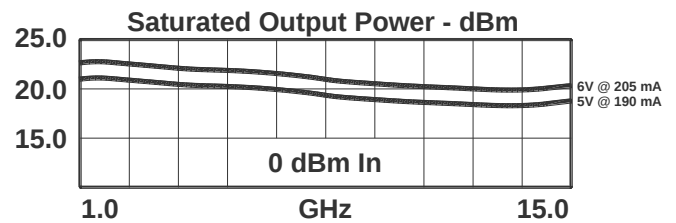
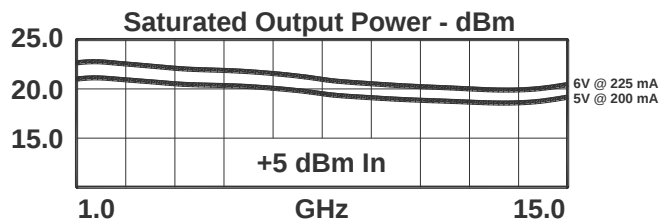
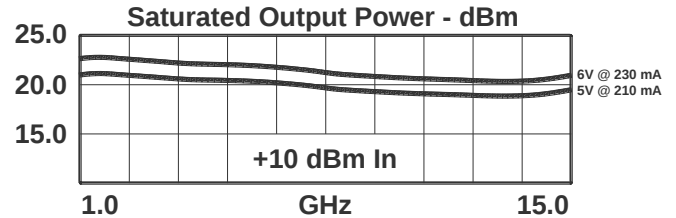
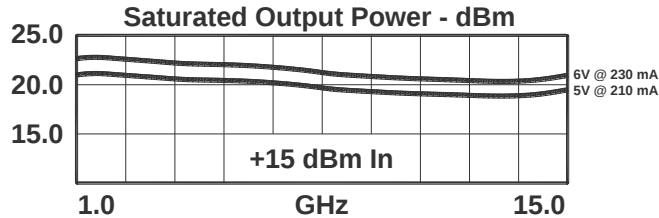
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Frequency 1.0 to 15.0 GHz

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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www.markimicrowave.com