



## SQUARE-WAVE LO BUFFER-AMPLIFIER

**A-0020**

### Features

- Frequency Range 5.0 MHz to 20.0 GHz
- Ultra-Broadband
- Surface Mount Package
- +5 dBm Typical Input Power
- +24 dBm Typical Saturated Output Power
- Buffer- Amplifiers for Mixer LO



**Electrical Specifications** - Specifications guaranteed from -30 to +70°C, measured in a 50-Ohm system.

Parameter	Frequency (GHz)	Min	Typ	Max
Input (dBm)	.005-20.0		+5 to +10	
Saturated Output Power (dBm)				
±6 Volts Bias	.005-20.0	+20	+24	
±5 Volts Bias	.005-20.0	+18	+22	
DC Bias Requirements (mA) <sup>1</sup>				
+5.0 to +7.0 Volts			265	300
-3.0 to -6.0 Volts			20	30

<sup>1</sup>It 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

Please specify a package style by adding to the model number.			
Package Style		Examples	
Connectorized	<a href="#">EZP</a>	A-0020EZ, A-0020EZP	
Surface Mount <sup>1</sup>	<a href="#">EZ</a>	<a href="#">A-0020</a> (Model)	<a href="#">EZP</a> (Package)

<sup>1</sup>Connectorized test fixtures available for most surface mount packages. Contact factory.

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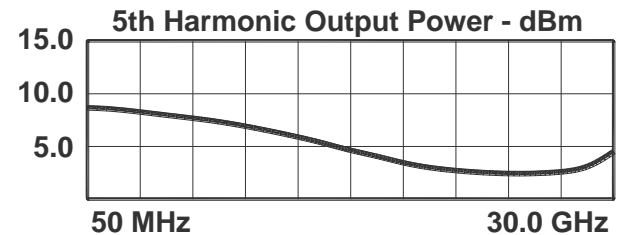
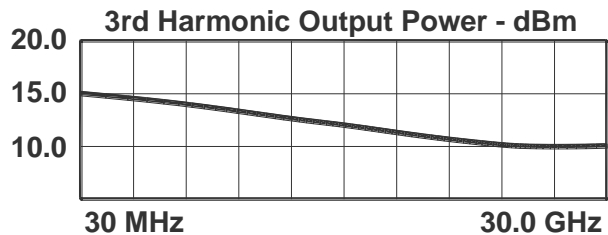
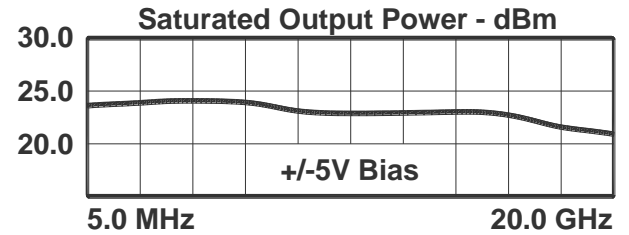
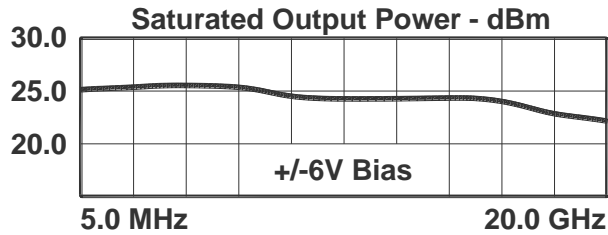
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Frequency .005 to 20.0 GHz

Typical Performance



DATA SHEET NOTES:

1. Maximum input power without damage is +18 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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