

# SQUARE-WAVE LO BUFFER-AMPLIFIER

**A-20** 

#### **Features**

- Frequency Range 5.0 MHz to 20.0 GHz
- Ultra-Broadband
- Surface Mount Package
- +10 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	Тур	Max
Input (dBm)	.005-20.0		+10 to +15	
Saturated Output Power (dBm)				
±6 Volts Bias	.005-20.0	+20	+24	
±5 Volts Bias	.005-20.0	+18	+22	
DC Bias Requirements (mA) 1				
+5.0 to +7.0 Volts			135	150
-3.0 to -6.0 Volts			10	30

<sup>&</sup>lt;sup>1</sup>It is recommended that the negative bias be applied before or concurrent with the positive bias.

### **Part Number Options**

Please specify a package style by adding to the model number.						
Package Style		Examples				
Connectorized	<u>EQP</u>	A-20EQ, A-20EQP				
Surface Mount 1	EQ	<u>A-20</u> (Model)	EQP (Package)			

<sup>&</sup>lt;sup>1</sup>Connectorized test fixtures available for most carrier and surface mount packages. Contact factory.

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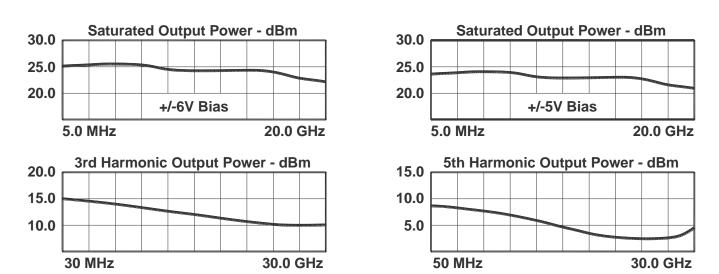
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Frequency .005 to 20.0 GHz

#### Typical Performance



### DATA SHEET NOTES:

- 1. Maximum input power without damage is +17 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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