

## AMPLIFIER/DOUBLER/AMPLIFIER

**ADA-1020**



### Features

- Input 10.0 to 20.0 GHz
- Output 20.0 to 40.0 GHz
- +19 dBm Typical Output Power
- 25 dBc Typical 3rd Harmonic Suppression

### Electrical Specifications

Parameter	INPUT (GHz)	OUTPUT (GHz)	Min	Typ	Max
Input (dBm) F(in)	10.0-20.0		+5		+10
Output Converted Power (dBm) 2F(out)		20.0-40.0	+17	+19	
Suppressions (dBc) F(in) Fundamental 3F(out) Third Harmonic		10.0-20.0 30.0-40.0		20 20	
Bias Requirements (mA) <sup>1</sup> +5 Volts DC -5 Volts DC				500 10	600 20

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

### Part Number Options

Please specify package style by adding to model number.	
Package Style(s)	Example
<a href="#">CM</a> , <a href="#">CMM</a> , <a href="#">CMV</a> , <a href="#">CMMV</a>	ADA-1020 <a href="#">CM</a>

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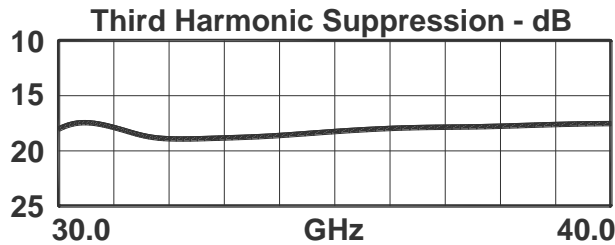
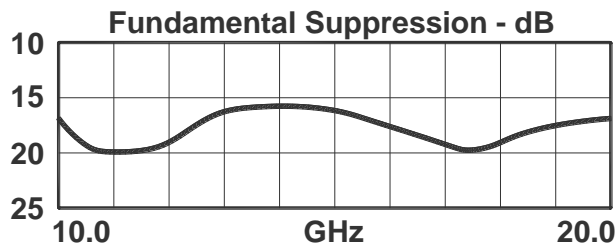
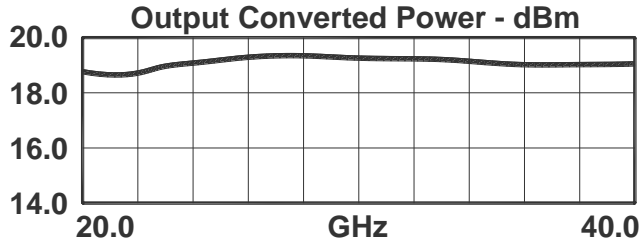
# ADA-1020

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Input 10.0 to 20.0 GHz

Output 20.0 to 40.0 GHz

Specifications guaranteed  
from -30 to +70°C,  
measured in a 50-Ohm System



For additional information, please visit the following sections on the Marki Microwave website.

- [Data Sheet Notes](#) 
- [Application Notes](#) 
- [Package Outlines](#) 
- [Terms & Conditions of Sale](#) 
- [Sales/Contact Information](#) 
- [View Entire Product Line](#) 

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