



AMPLIFIER/DOUBLER

AD-1020



Features

- Input 10.0 to 20.0 GHz
- Output 20.0 to 40.0 GHz
- +7 dBm Typical Output Power
- 15 dBc Typical Fundamental Suppression
- 25 dBc Typical 3rd Harmonic Suppression
- 2.92 mm Output Connector

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

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	+3	+7	
Suppressions (dBc) F(in) Fundamental		10.0-20.0		13	
3F(out) Third Harmonic		30.0-40.0		15	
Bias Requirements (mA) ¹ +5 Volts DC				100	120
-5 Volts DC				10	20

¹It 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
<u>P</u>	AD-1020 <u>P</u>

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use of or application of any product.



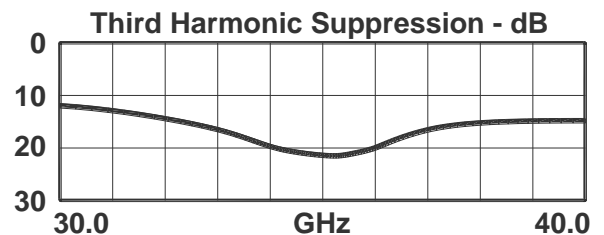
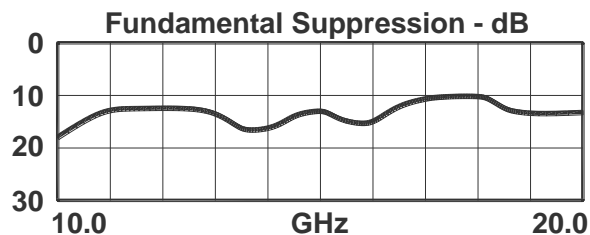
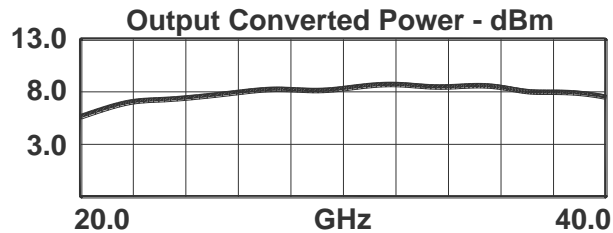
AMPLIFIER/DOUBLER

Page 2

AD-1020

Input 10.0 to 20.0 GHz
Output 20.0 to 40.0 GHz

Typical Performance



DATA SHEET NOTES:

1. Maximum input power without damage is +16 dBm at +70°C.
2. Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation, or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use or application of any product.

© Marki Microwave, Inc.



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

www.markimicrowave.com