



Features

- 3/4 Input 3.0 to 7.0 GHz
- 3/4 Output 6.0 to 14.0 GHz
- 3/4 +14 dBm Typical Output Power
- 3/4 20 dBc Typical Fundamental Suppression
- 3/4 20 dBc Typical 3rd Harmonic Suppression

Electrical Specifications

Parameter	INPUT (GHz)	OUTPUT (GHz)	Min	Typ	Max
Input (dBm) F(in)	3.0-7.0		+5		+8
Output Converted Power (dBm) 2F(out)		6.0-14.0	+12	+14	
Suppressions (dBc) F(in) Fundamental		3.0-7.0		20	
3F(out) Third Harmonic		9.0-14.0		20	
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

<i>Please specify package style by adding to model number.</i>	
Package Style(s) ¹	Example
E, P	ADA-0307 <u>E</u>

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

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

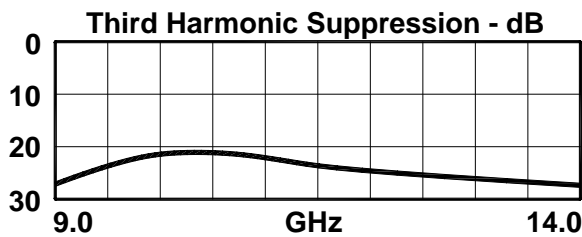
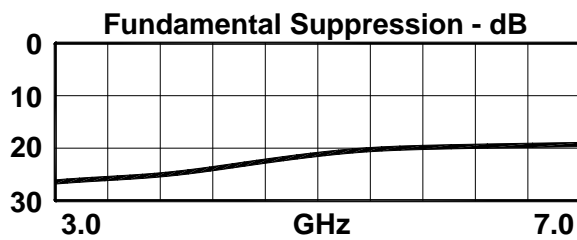
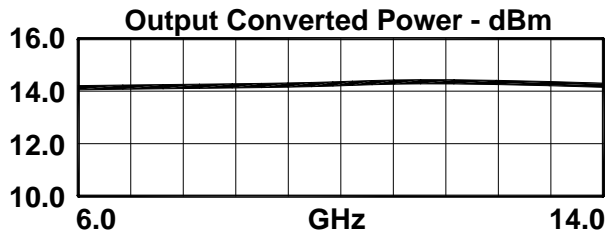
AMPLIFIER/DOUBLER/AMPLIFIER

ADA-0307

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Input 3.0 to 7.0 GHz
Output 6.0 to 14.0 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](#) ▶
- [MTBF Calculations](#) ▶
- [Terms & Conditions of Sale](#) ▶
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