



**Features**

- Input 3.0 to 6.0 GHz
- Output 6.0 to 12.0 GHz
- +13 dBm Typical Output Power
- 15 dBc Typical Fundamental Suppression
- 15 dBc Typical 3rd Harmonic Suppression

**Electrical Specifications**

Parameter	INPUT (GHz)	OUTPUT (GHz)	Min	Typ	Max
Input (dBm) F(in)	3.0-6.0		+5		+8
Output Converted Power (dBm) 2F(out)		6.0-12.0	+10	+13	
Suppressions (dBc) F(in) Fundamental 3F(out) Third Harmonic		3.0-6.0 9.0-12.0		15 15	
Bias Requirements (mA) <sup>1</sup> +5 Volts DC				100	120

<sup>1</sup>It 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) <sup>1</sup>	Example
<a href="#">E</a> , <a href="#">P</a>	ADA-0306 <a href="#">E</a>

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

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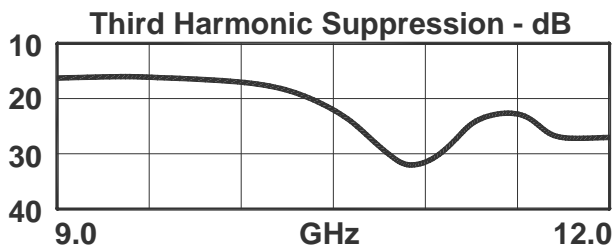
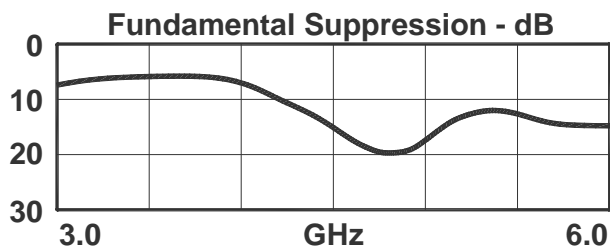
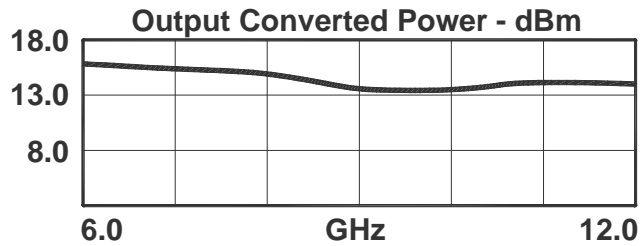
AMPLIFIER/DOUBLER/AMPLIFIER

ADA-0306








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Input 3.0 to 6.0 GHz  
Output 6.0 to 12.0 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](#) 
- [Sales/Contact Information](#) 
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