



**Features**

- ¾ Input 4.0 to 10.0 GHz
- ¾ Output 8.0 to 20.0 GHz
- ¾ +14 dBm Typical Output Power
- ¾ 20 dBc Typical Fundamental Suppression
- ¾ 20 dBc Typical 3<sup>rd</sup> Harmonic Suppression

**Electrical Specifications**

Parameter	INPUT (GHz)	OUTPUT (GHz)	Min	Typ	Max
Input (dBm) F(in)	4.0-10.0		+5		+8
Output Converted Power (dBm) 2F(out)		8.0-20.0	+11	+14	
Suppressions (dBc) F(in) Fundamental 3F(out) Third Harmonic		4.0-10.0 12.0-20.0		20 20	
Bias Requirements (mA) <sup>1</sup> +5 Volts DC -5 Volts DC				100 10	120 20

<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, E, P	ADA-0410 <u>A</u>

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

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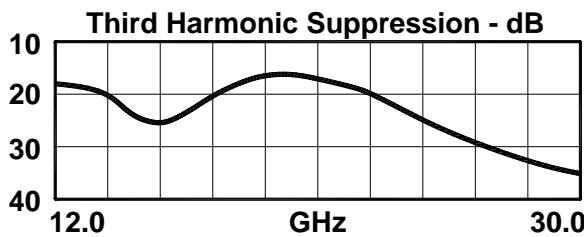
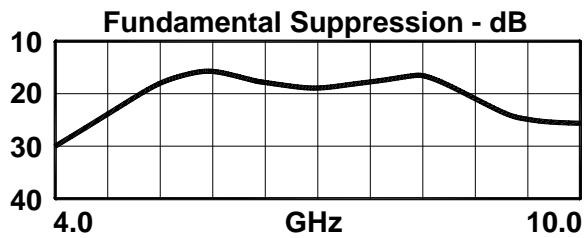
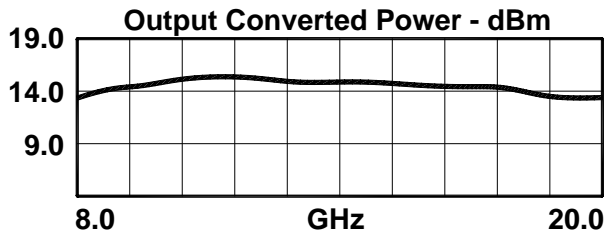
AMPLIFIER/DOUBLER/AMPLIFIER

ADA-0410

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Input 4.0 to 10.0 GHz  
Output 8.0 to 20.0 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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215 Vineyard Court, Morgan Hill, CA 95037 | Ph: 408.778.4200 | Fax: 408.778.4300 | [info@markimicrowave.com](mailto:info@markimicrowave.com)

[www.markimicrowave.com](http://www.markimicrowave.com)