

AMPLIFIER/DOUBLER/AMPLIFIER

ADA-0410



Features

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

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)	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) ¹ +5 Volts DC -5 Volts DC				100 10	120 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
A, P	ADA-0410 A

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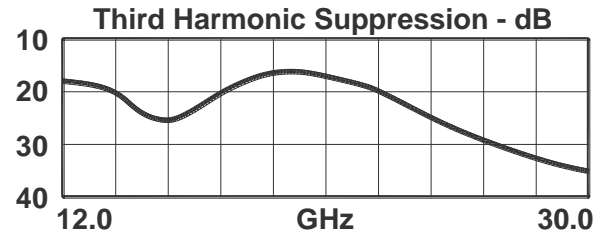
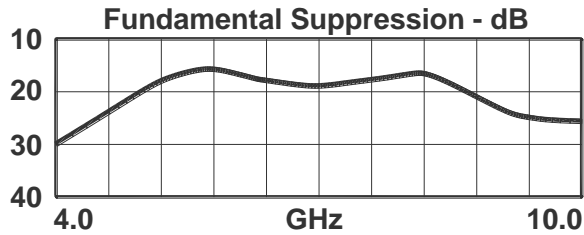
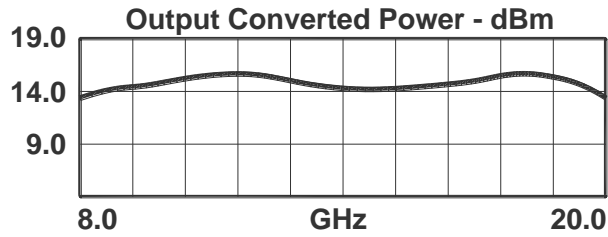
AMPLIFIER/DOUBLER/AMPLIFIER

ADA-0410

Page 2

Input 4.0 to 10.0 GHz
Output 8.0 to 20.0 GHz

Typical Performance



DATA SHEET NOTES:

1. Maximum input power without damage is +13 dBm at +70°C.
2. Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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