



## DOUBLER/AMPLIFIER/DOUBLER

**DAD-0405**



### Features

- Input 4.0 to 5.0 GHz
- Output 16.0 to 20.0 GHz
- +3 dBm Typical Output Power
- 27 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)	4.0-5.0		+14		+18
Output Converted Power (dBm) 4F(out)		16.0-20.0	+0	+3	
Suppressions (dBc) F(in) Fundamental		4.0-5.0		32	
2F(out) Second Harmonic		8.0-10.0		25	
3F(out) Third Harmonic		12.0-15.0		27	
Bias Requirements (mA) <sup>1</sup> +5 Volts DC				35	50

<sup>1</sup>It 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>	DAD-0405 <u>P</u>

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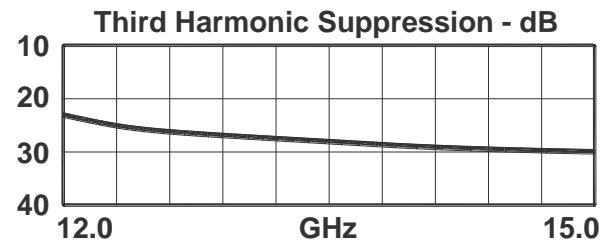
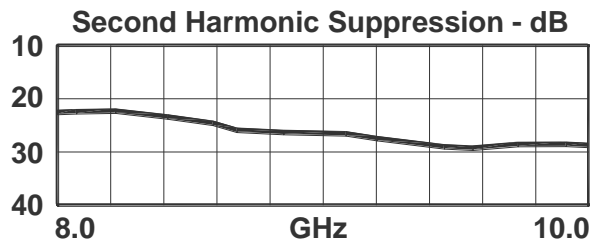
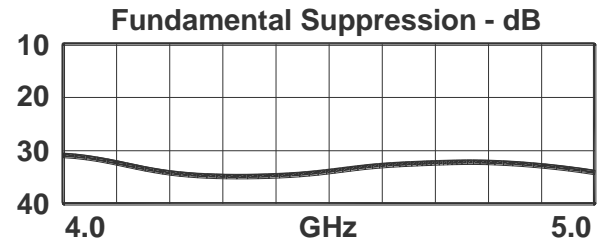
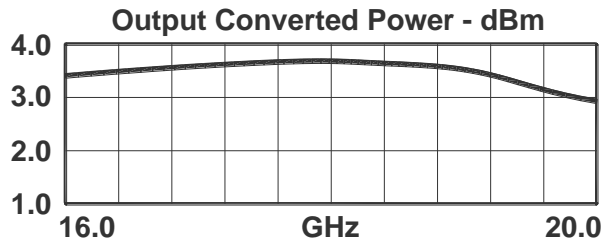
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Input 4.0 to 5.0 GHz  
Output 16.0 to 20.0 GHz

Typical Performance



### DATA SHEET NOTES:

1. Maximum input power without damage is +22 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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