



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 2F(out) Second Harmonic 3F(out) Third Harmonic		4.0-5.0 8.0-10.0 12.0-15.0		32 25 27	
Bias Requirements (mA) ¹ +5 Volts DC				35	50

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	DAD-0405 E

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

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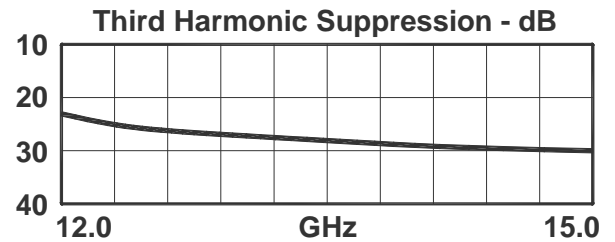
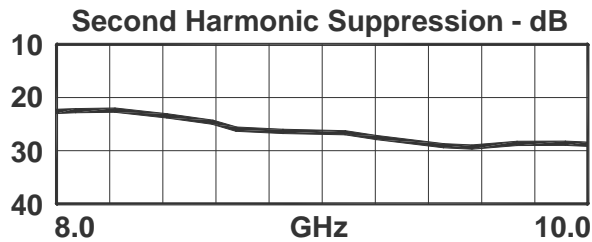
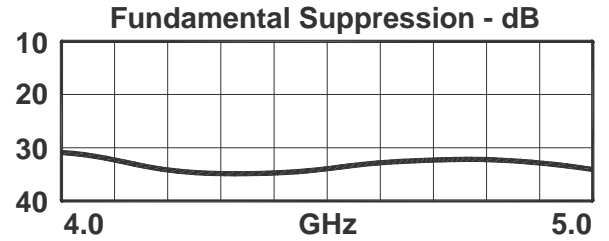
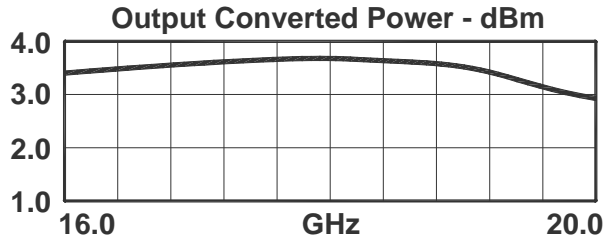
DOUBLER/AMPLIFIER/DOUBLER

DAD-0405

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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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