



**Features**

- Input 5.0 to 8.0 GHz
- Output 20.0 to 32.0 GHz
- +10 dBm Typical Output Power
- 35 dBc Typical Fundamental Suppression
- 15 dBc Typical 2nd Harmonic 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)	5.0-8.0		+5		+8
Output Converted Power (dBm) 4F(out)		20.0-32.0	+7	+10	
Suppressions (dBc) F(in) Fundamental		5.0-8.0		35	
2F(out) Second Harmonic		10.0-16.0		15	
3F(out) Third Harmonic		15.0-24.0		20	
Bias Requirements (mA) <sup>1</sup> +5 Volts DC				160	200
-5 Volts DC				5	10

<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="#">K</a>	AQA-2032 <a href="#">K</a>

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

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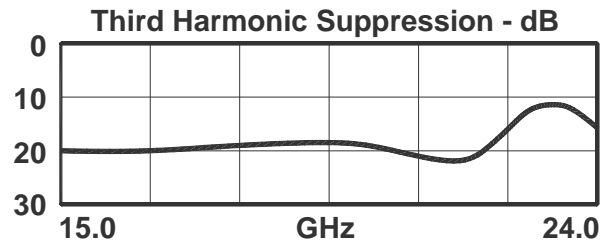
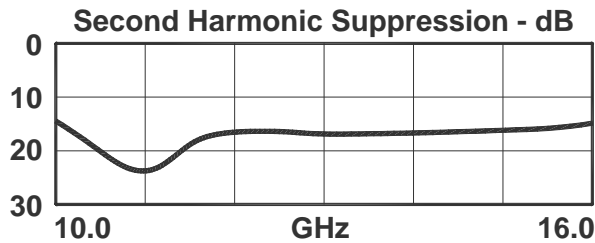
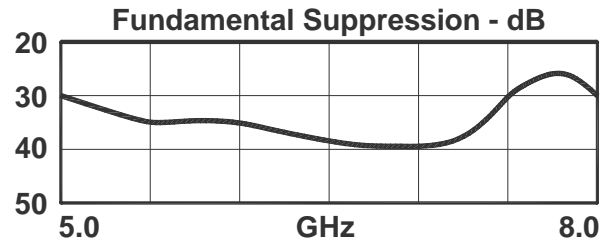
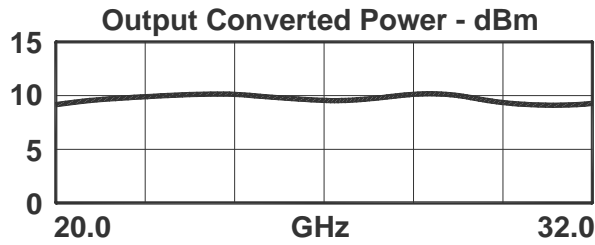
AMPLIFIER/QUADRUPLER/AMPLIFIER

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Input 5.0 to 8.0 GHz  
Output 20.0 to 32.0 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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