

AMPLIFIER/QUADRUPLER/AMPLIFIER

AQA-1933



Features

- Input 1.9 to 3.3 GHz
- Output 7.6 to 13.2 GHz
- +12 dBm Typical Output Power
- 20 dBc Typical Fundamental Suppression
- 10 dBc Typical 2nd Harmonic Suppression
- 10 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)	1.9-3.3		+2		+5
Output Converted Power (dBm) 4F(out)		8.5-12.0	+10	+13	
4F(out)		7.6-13.2	+8	+12	
Suppressions (dBc) F(in) Fundamental		1.9-3.3		20	
2F(out) Second Harmonic		3.8-6.6		10	
3F(out) Third Harmonic		5.7-9.9		10	
Bias Requirements (mA) ¹ +5 Volts DC				150	200

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
K , KC , KZ	AQA-1933 K

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

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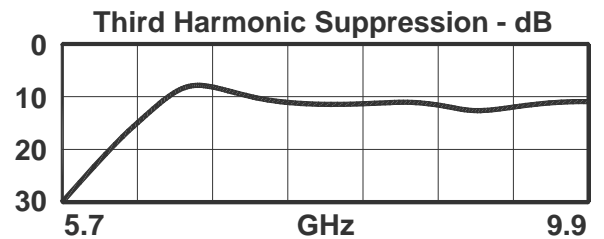
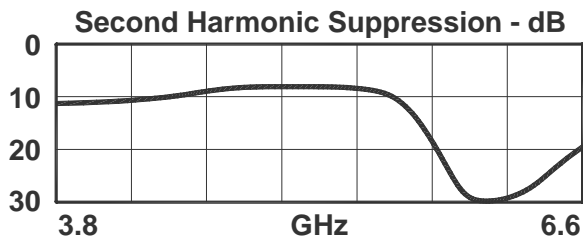
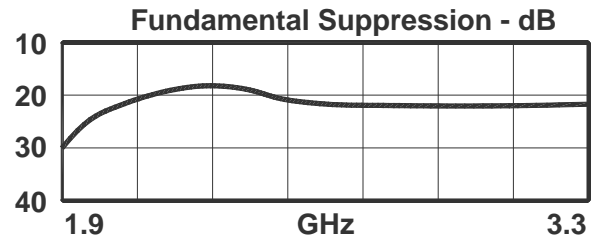
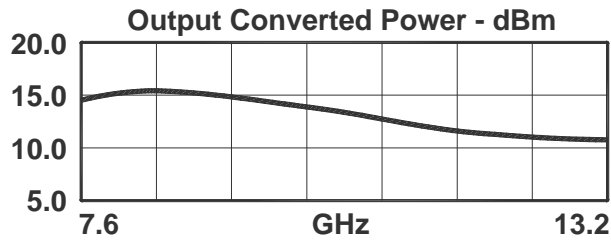
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Input 1.9 to 3.3 GHz
Output 7.6 to 13.2 GHz

Typical Performance



DATA SHEET NOTES:

- 1. Maximum input power without damage is +10 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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