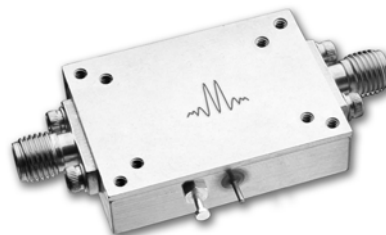




AMPLIFIER/TRIPLER/AMPLIFIER

ATA-1424



Features

- Input 1.4 to 2.4 GHz
- Output 4.2 to 7.2 GHz
- Balanced Tripler
- +14 dBm Typical Output Power
- 15 dBc Typical 2nd 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)	1.4-2.4			+4 to +6	
Output Converted Power (dBm) 3F(out)		4.2-7.2	+10	+11	
Suppressions (dBc)					
F(in) Fundamental		1.4-2.4		20	
2F(out) Second Harmonic		2.8-4.8		15	
4F(out) Fourth Harmonic		5.6-9.6		15	
5F(out) Fifth Harmonic		7.0-12.0		15	
Bias Requirements (mA) +5 Volts DC				125	150

Part Number Options

Please specify package style by adding to model number.	
Package Style(s) ¹	Example
E , G	ATA-1424 E

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

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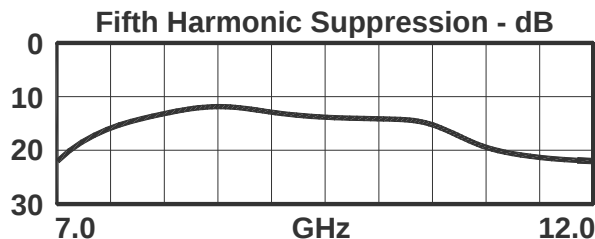
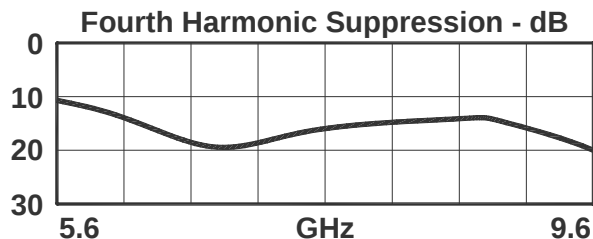
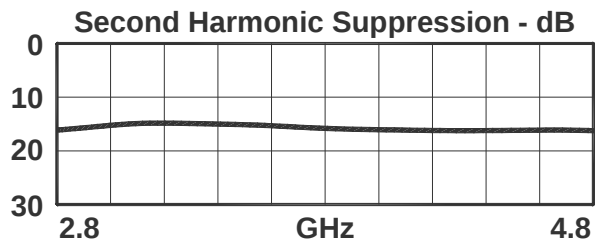
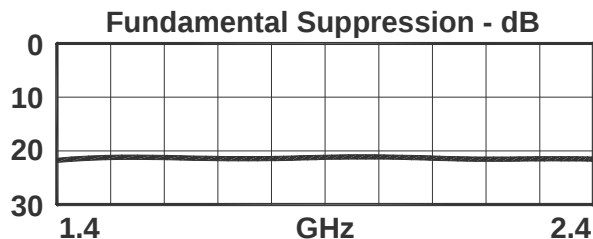
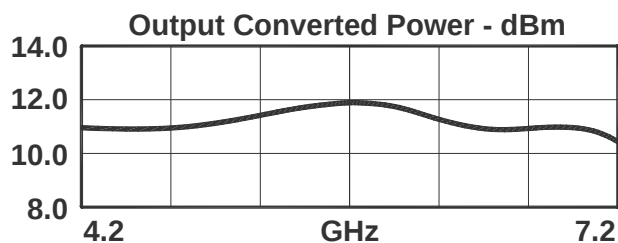
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Input 1.4 to 2.4 GHz
Output 4.2 to 7.2 GHz

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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215 Vineyard Court, Morgan Hill, CA 95037 | Ph: 408.778.4200 | Fax: 408.778.4300 | info@markimicrowave.com

www.markimicrowave.com