

AMPLIFIER/DOUBLER/AMPLIFIER

ADA-2050



Features

- ¾ Input 10.0 to 25.0 GHz
- ¾ Output 20.0 to 50.0 GHz
- ¾ +20 dBm Typical Output Power
- ¾ 25 dBc Typical 3rd Harmonic Suppression

Electrical Specifications

Parameter	INPUT (GHz)	OUTPUT (GHz)	Min	Typ	Max
Input (dBm) F(in)	10.0-25.0		+8		+12
Output Converted Power (dBm) 2F(out) 2F(out)		20.0-45.0 45.0-50.0	+17 +10	+20 +15	
Suppressions (dBc) F(in) Fundamental 3F(out) Third Harmonic		10.0-25.0 30.0-50.0		25 25	
Bias Requirements (mA) ¹ +5 Volts DC -5 Volts DC				500 10	600 20

¹It is recommended that the negative bias be applied before or concurrent with the positive bias.

Part Number Options

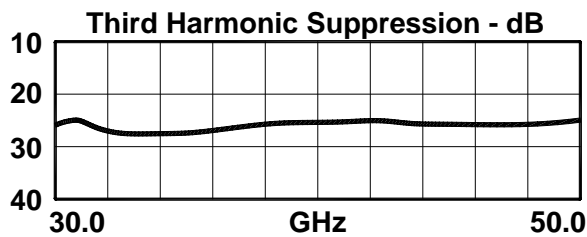
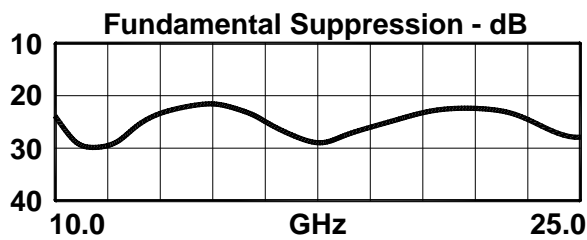
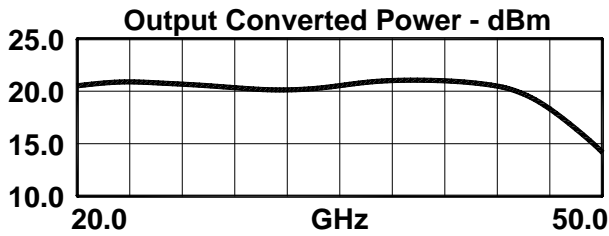
<i>Please specify package style by adding to model number.</i>	
Package Style(s)	Example
CMV, CMMV	ADA-2050 <u>CMV</u>

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Input 10.0 to 25.0 GHz
Output 20.0 to 50.0 GHz

Specifications guaranteed
from -30 to +70° C,
measured in a 50-Ohm System



For additional information, please visit the following sections on the Marki Microwave website.

- [Data Sheet Notes](#) ▶
- [Application Notes](#) ▶
- [Package Outlines](#) ▶
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