



Features

- Input 2.0 to 2.5 GHz
- Output 8.0 to 10.0 GHz
- +4 dBm Typical Output Power
- 25 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)	2.0-2.5		+14		+18
Output Converted Power (dBm) 4F(out)		8.0-10.0	+3	+4	
Suppressions (dBc) F(in) Fundamental 2F(out) Second Harmonic 3F(out) Third Harmonic		2.0-2.5 4.0-5.0 6.0-7.5		15 15 25	
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-0225 E

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

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use of or application of any product.



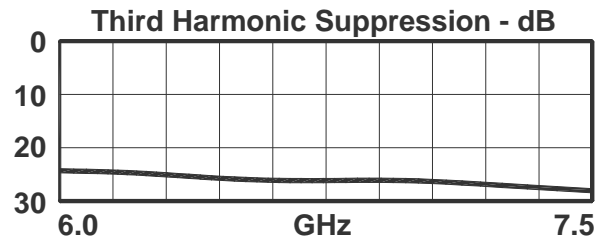
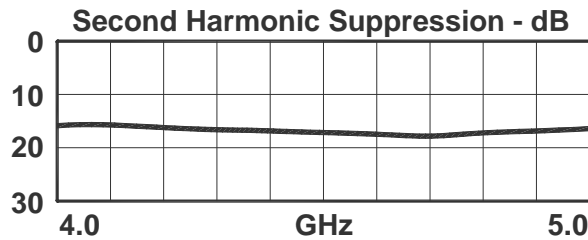
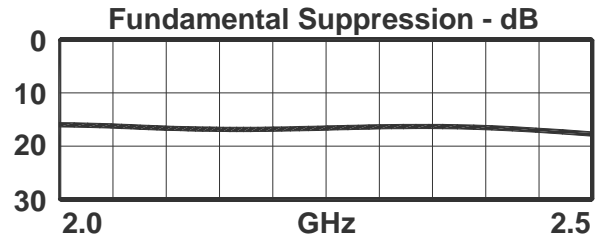
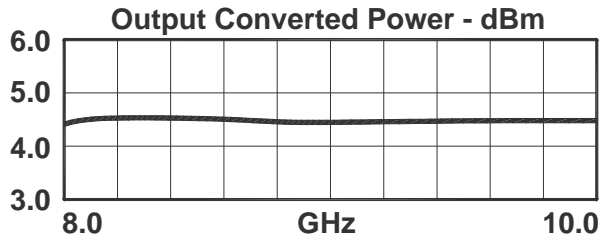
DOUBLER/AMPLIFIER/DOUBLER

DAD-0225

Page 2

Input 2.0 to 2.5 GHz
Output 8.0 to 10.0 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.

Marki Microwave reserves the right to make changes to the product(s) or information contained herein without notice. Marki Microwave makes no warranty, representation, or guarantee regarding the suitability of its products for any particular purpose, nor does Marki Microwave assume any liability whatsoever arising out of the use or application of any product.

© Marki Microwave, Inc.



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

www.markimicrowave.com