



Amplitech

"Amplify Your Potential"

35-3 Carlough Road, Bohemia NY 11716

Tel: 631 521 7831 Fax: 631 521 7871

Serial Number: 108243
Model No.: APTC3-04000600-0700-D4-KH

IMPORTANT – MUST USE HEAT SINK IF CASE TEMPERATURE EXCEEDS 50°C

Specifications at 23°C			
Frequency:	4- 6 GHz	Output Power @ 1dB Comp. Pt:	+ 0 dBm
Gain:	23 dB min.	Voltage/Current: DC Power	+3 VDC @40 mA, nom.
Gain Flatness:	± 1.0 dB max	Measured Current:	41 mA
VSWR Input:	2.0:1	Max. Noise Figure:	0.7 dB
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10129C

SEE NEXT PAGE FOR DATA @ -200°C

Note: Test data taken with case temperature of +23 °C

Frequency (GHz)	Gain (dB)	VSWR		Noise Figure (dB)	Output Power @ 1dB Comp. (+dBm)
		In	Out		
4	24.1	1.73	1.49	0.69	0.81
5	24.2	1.75	1.48	0.68	0.75
6	24.1	1.67	1.58	0.61	1.10

Data taken at 23°C unless otherwise stated.

COMMENTS: Do not apply DC Voltage to the INPUT. The maximum RF CW Input to the unit is +15 dBm. CAUTION!! +3V MAX. ON INPUT DC PIN. DESIGNED FOR CRYOGENIC USE BELOW 77K.

TESTER: _____

DATE: 7/2/13

E-mail: sales@amplitechinc.com • website: www.amplitechinc.com



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Specifications at 23°C			
Frequency:	4- 6 GHz	Output Power @ 1dB Comp. Pt:	+ 0 dBm
Gain:	23 dB min.	Voltage/Current: DC Power	+3 VDC @40 mA, nom.
Gain Flatness:	± 1.0 dB max	Measured Current:	36 mA
VSWR Input:	2.0:1	Max. Noise Figure:	0.7 dB
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10129C

Note: Test data taken with case temperature of -200 °C

Frequency (GHz)	Gain (dB)	VSWR		Noise Figure (dB)	Output Power @ 1dB Comp. (+dBm)
		In	Out		
4	25.9	1.72	1.52	0.08	0.72
5	26.0	1.72	1.51	0.07	0.58
6	25.7	1.65	1.62	0.08	1.10

Data taken at 23°C unless otherwise stated.

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