



1373 Lincoln Avenue, Holbrook NY 11716 Tel: 631 521 7831 Fax: 631 521 7871

Serial Number: 104802
Model No.: APTC3-00100600-1000-D4

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

Specifications at 23°C			
Frequency:	0.1- 6.0 GHz	Output Power @ 1dB Comp. Pt:	+ 0 dBm
Gain:	28 dB min.	Voltage/Current: DC Power	+8 VDC @90 mA, nom.
Gain Flatness:	± 2.5 dB max	Measured Current:	88 mA
VSWR Input:	2.5:1	Max. Noise Figure:	1.0* dB
VSWR Output:	2.5:1 Z=50 Ohms	Outline: Model:	D4 EM 10246A

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		
0.1	32.9	1.64	1.09	1.07	12
0.5	32.8	1.77	1.13	0.98	12
2	32.6	1.51	1.16	0.89	13
4	31.5	1.47	1.13	0.99	13
6	29.6	1.86	1.18	0.98	13

Data taken at 23°C unless otherwise stated.

COMMENTS: * NF ABOVE 400 MHz. Do not apply DC Voltage to the INPUT. The maximum RF CW Input to the unit is +15 dBm. CAUTION!! THIS IS A CRYOGENIC AMPLIFIER WITH NO INTERNAL VOLTAGE REGULATION OR PROTECTION. DO NOT EXCEED REGULATED +8V DC ON DC POWER PIN.

TESTER: _____

DATE:08/15/2013

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



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Gain Flatness:	± 2.5 dB max	Measured Current:	88 mA
VSWR Input:	2.5:1	Max. Noise Figure:	1.0* dB
VSWR Output:	2.5:1 Z=50 Ohms	Outline: Model:	D4 EM 10246A

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		
0.1	32.2	1.76	1.49	0.33	12
0.5	37.0	1.48	1.19	0.07	12
2	36.8	1.37	1.15	0.05	13
4	35.1	1.29	1.23	0.06	13
6	33.0	1.62	1.32	0.09	13

Data taken at 23°C unless otherwise stated.

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