



60 Davids Drive, Hauppauge NY11788

Tel: 631 435 0603 Fax: 631 435 0604

Serial Number: 100810
Model No.: APTC4-01001800-1910-D4

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

Specifications at 23°C			
Frequency:	1- 18 GHz	Output Power @ 1dB Comp. Pt:	+ 8 dBm
Gain:	23 dB min.	Voltage/Current: DC Power	+9 VDC @150 mA, nom.
Gain Flatness:	± 2.5 dB max	Measured Current:	116 mA
VSWR Input:	2.5:1	Max. Noise Figure:	2.5 dB
VSWR Output:	2.5:1 Z=50 Ohms	Outline: Model:	D4 EM 10023B

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

SEE NEXT PAGE FOR DATA AT 77K

Frequency (GHz)	Gain (dB)	VSWR		Noise Figure (dB)	Output Power @ 1dB Comp. (+dBm)
		In	Out		
0.1*	27.5	1.34	1.15	4.49	10
0.5*	27.5	1.44	1.14	2.54	10
1	27.5	1.46	1.17	2.20	10
2	27.2	1.55	1.27	2.21	10
6	26.1	2.00	1.53	2.28	10
10	23.9	2.18	1.16	2.21	11
14	27.3	2.05	1.60	1.87	11
18	24.4	1.73	1.43	2.10	10
20*	19.1	5.08	1.39	2.93	9

Data taken at 23°C unless otherwise stated.

COMMENTS: * Specifications only from from 1 to 18 GHz.

TESTER: _____

DATE: 01/09/2007

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



60 Davids Drive, Hauppauge NY 11788

Tel: 631 435 0603 Fax: 631 435 0604

Serial Number: 100810
Model No.: APTC4-01001800-1910-D4

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

Specifications at 23°C			
Frequency:	1- 18 GHz	Output Power @ 1dB Comp. Pt:	+ 8 dBm
Gain:	23 dB min.	Voltage/Current: DC Power	+9 VDC @150 mA, nom.
Gain Flatness:	± 2.5 dB max	Measured Current:	114 mA
VSWR Input:	2.5:1	Max. Noise Figure:	2.5 dB
VSWR Output:	2.5:1 Z=50 Ohms	Outline: Model:	D4 EM 10023B

Note: Test data taken with case temperature of +77 °K

Frequency (GHz)	Gain (dB)	VSWR		Noise Figure (dB)	Output Power @ 1dB Comp. (+dBm)
		In	Out		
0.1*	30.9	1.40	1.22	2.71	10
0.5*	30.9	1.36	1.22	1.42	10
1	31.3	1.39	1.24	1.18	10
2	30.8	1.46	1.32	1.23	10
6	29.5	1.81	1.76	1.17	10
10	26.5	2.06	1.24	1.14	11
14	29.3	2.30	1.68	1.03	12
18	26.4	1.55	1.52	1.22	10
20*	22.2	7.56	1.54	1.89	9

Data taken at 23°C unless otherwise stated.

COMMENTS: * Specifications only from from 1 to 18 GHz.

TESTER: _____

DATE: 01/09/2007

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