



60 Davids Drive, Hauppauge NY11788

Tel: 631 435 0603 Fax: 631 435 0604

Serial Number: 100168
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 10023

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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		
0.1*	26.8	1.98	1.19	4.36	10
0.5*	26.7	2.04	1.20	2.19	10
1	26.2	2.11	1.20	2.08	10
2	26.2	1.76	1.21	1.96	10
6	25.5	1.65	1.39	1.98	11
10	23.7	1.49	1.54	2.06	13
14	26.0	1.48	1.51	1.94	14
18	24.6	1.55	1.50	2.06	13
20*	21.2	3.54	1.46	2.14	12

Data taken at 23°C unless otherwise stated.

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

TESTER: _____

DATE: 08/16/2013

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620 Johnson Avenue, Bohemia NY11716

Tel: 631 521 7831 Fax: 631 521 7871

Serial Number: 100168
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:	112 mA
VSWR Input:	2.5:1	Max. Noise Figure:	2.5 dB
VSWR Output:	2.5:1 Z=50 Ohms	Outline: Model:	D4 EM 10023

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*	28.5	1.98	1.19	3.36	10
0.5*	28.4	2.04	1.20	1.31	10
1	28.5	2.11	1.20	1.08	10
2	28.4	1.76	1.21	1.19	10
6	27.9	1.65	1.39	1.28	11
10	25.0	1.49	1.54	1.21	13
14	27.0	1.48	1.51	1.41	14
18	25.7	1.55	1.50	1.47	13
20*	22.9	3.54	1.46	1.47	12

Data taken at 23°C unless otherwise stated.

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

TESTER: _____

DATE 08/16/2013

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