



35-3 Carlough Road, Bohemia NY Tel: 631 521 7831 Fax: 631 521 7871

Serial Number: 106692
Model No.: APTC3-00100200-0905-D4

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

Specifications at 23°C			
Frequency:	0.1- 2.0 GHz	Output Power @ 1dB Comp. Pt:	+ 5 dBm
Gain:	35 dB min.	Voltage/Current: DC Power	+8 VDC @150 mA, nom.
Gain Flatness:	± 1.0 dB max	Measured Current:	60 mA
VSWR Input:	2.0:1	Nom. Noise Figure:	0.9 dB
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10179A

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	37.3	1.81	1.20	1.49	7
0.5	37.3	1.66	1.24	1.08	7
1.0	37.7	1.60	1.29	0.88	7
1.5	38.0	1.49	1.43	0.88	7
2.0	38.4	1.39	1.66	0.96	7

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: THIS IS A CRYOGENIC AMPLIFIER. MAXIMUM VOLTAGE IS +8V DC ON DC PIN.

TESTER: _____

DATE: 9/11/2011

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



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Specifications at 23°C			
Frequency:	0.1- 2.0 GHz	Output Power @ 1dB Comp. Pt:	+ 5 dBm
Gain:	35 dB min.	Voltage/Current: DC Power	+8 VDC @150 mA, nom.
Gain Flatness:	± 1.0 dB max	Measured Current:	54 mA
VSWR Input:	2.0:1	Nom. Noise Figure:	0.9 dB
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10179A

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	40.1	1.98	1.27	0.49	7
0.5	41.0	1.51	1.17	0.03	7
1.0	41.2	1.44	1.24	0.02	7
1.5	41.3	1.42	1.36	0.02	7
2.0	41.7	1.28	1.60	0.03	7

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: THIS IS A CRYOGENIC AMPLIFIER. MAXIMUM VOLTAGE IS +8V DC ON DC PIN.

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