



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

Serial Number: 106694
Model No.: APTC3-00100200-0912-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:	+ 12 dBm
Gain:	35 dB min.	Voltage/Current: DC Power	+8 VDC @150 mA, nom.
Gain Flatness:	± 1.0 dB max	Measured Current:	110 mA
VSWR Input:	2.0:1	Nom. Noise Figure:	0.9 dB
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10351A

SEE NEXT PAGE FOR DATA AT -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	40.3	1.86	1.15	1.44	14
0.5	40.5	1.79	1.18	1.05	14
1.0	40.7	1.75	1.16	0.88	14
1.5	41.0	1.54	1.14	0.85	14
2.0	41.2	1.44	1.15	0.94	14

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



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

Serial Number: 106694
Model No.: APTC3-00100200-0912-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:	+ 12 dBm
Gain:	35 dB min.	Voltage/Current: DC Power	+8 VDC @150 mA, nom.
Gain Flatness:	± 1.0 dB max	Measured Current:	104 mA
VSWR Input:	2.0:1	Nom. Noise Figure:	0.9 dB
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10351A

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	39.8	1.86	1.15	0.44	14
0.5	40.3	1.79	1.18	0.05	14
1.0	41.2	1.75	1.16	0.02	14
1.5	41.6	1.54	1.14	0.03	14
2.0	42.1	1.44	1.15	0.03	14

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