



1373 Lincoln Avenue, Holbrook NY 11741 Tel: 631 521 7831 Fax: 631 521 7871

Serial Number: 106675
Model No.: APTC3-00100400-1200-D4

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

Specifications at 23°C			
Frequency:	0.1- 4 GHz	Output Power @ 1dB Comp. Pt:	+ 0 dBm
Gain:	28 dB min.	Voltage/Current: DC Power	+15 VDC @60 mA, nom.
Gain Flatness:	± 1.75 dB max	Measured Current:	48 mA
VSWR Input:	2.0:1	Noise Figure:	1.2 dB, nom.
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10145A

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	33.0	1.69	1.22	1.77	7
0.5	33.4	1.69	1.19	1.40	7
2	33.6	1.54	1.27	0.98	7
3	33.2	1.62	1.37	1.21	6
4	33.3	1.72	1.58	1.24	6

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!! +3V MAX. ON INPUT DC PIN. DESIGNED FOR CRYOGENIC USE BELOW 77K.

TESTER: _____

DATE: 5/29/11

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



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Specifications at 23°C			
Frequency:	0.1- 4 GHz	Output Power @ 1dB Comp. Pt:	+ 0 dBm
Gain:	28 dB min.	Voltage/Current: DC Power	+9 VDC @60 mA, nom.
Gain Flatness:	± 1.5 dB max	Measured Current:	44 mA
VSWR Input:	2.0:1	Noise Figure:	1.2 dB, nom.
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D4 EM 10145A

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	35.5	1.50	1.37	0.71	7
0.5	37.9	1.37	1.11	0.63	7
2	38.1	1.36	1.19	0.42	7
3	37.5	1.52	1.27	0.25	6
4	37.0	1.61	1.36	0.21	6

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!! +9V MAX. ON INPUT DC PIN. DESIGNED FOR CRYOGENIC USE BELOW 77K.

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