



1373 Lincoln Avenue, Holbrook NY 11741

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Serial Number: 103026
Model No.: APTC2-08001200-1500-D2-V

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

Specifications at 23°C			
Frequency:	8- 12 GHz	Output Power @ 1dB Comp. Pt:	+ 0 dBm
Gain:	22/ 25 Goal dB min.	Voltage/Current: DC Power	+3 VDC @40 mA, nom.
Gain Flatness:	± dB max	Measured Current:	36 mA
VSWR Input:	2.5:1 :1	Max. Noise Figure:	1.5/1.0 D.G. dB
VSWR Output:	2.5:1 :1 Z=50 Ohms	Outline: Model:	D2 EM 10205A

**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		
8	30.8	1.89	1.83	0.18	6.5
10	31.0	2.06	1.72	0.12	6.5
12	29.1	2.22	2.29	0.15	6.5

Data taken at 23°C unless otherwise stated.

**COMMENTS:** CAUTION: This is a cryogenic amplifier with NO internal voltage regulation. Apply voltage, slowly raise to +3V MAX. to prevent damage. DO NOT APPLY DC TO RF INPUT. MAX RF INPUT= +10 dBm.

TESTER: \_\_\_\_\_

DATE: 6/1/2018

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