



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

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

Specifications at 23°C			
Frequency:	4- 8 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:	43 mA
VSWR Input:	2.5:1 :1	Max. Noise Figure:	0.9/ 0.6 Goal dB
VSWR Output:	2.5:1 :1 Z=50 Ohms	Outline: Model:	D2 EM 10203A

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Note: Test data taken with case temperature of +23 °C FOR DATA @ -200°C

Frequency (GHz)	Gain (dB)	VSWR		Noise Figure (dB)	Output Power @ 1dB Comp. (+dBm)
		In	Out		
4	23.3	1.86	1.28	0.67	6.5
5	22.5	1.75	1.12	0.70	6.5
6	22.1	1.86	1.09	0.75	6.5
7	22.2	2.09	1.33	0.74	6.5
8	22.7	2.39	1.58	0.77	7

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: 2/20/2014



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Gain Flatness:	± dB max	Measured Current:	43 mA
VSWR Input:	2.5:1 :1	Max. Noise Figure:	0.9/ 0.6 Goal dB
VSWR Output:	2.5:1 :1 Z=50 Ohms	Outline: Model:	D2 EM 10203A

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		
4	24.4	1.89	1.40	0.17	6.5
5	23.4	1.82	1.25	0.20	6.5
6	23.1	1.92	1.03	0.24	6.5
7	23.2	2.12	1.21	0.23	6.5
8	23.8	2.44	1.47	0.26	7

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: 6/26/2019