



620 Johnson Avenue, Bohemia NY 11716

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Serial Number: 111627
Model No.: APTMP4-00050100-1333-D9

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

Specifications at 23°C			
Frequency:	0.5- 1.0 GHz	Saturated Output Power @ Pin=-50 to +10 dBm	+ 33 dBm
Gain:	43 dB min.	Voltage/Current: DC Power	+15 VDC @150 mA, nom.
Gain Flatness:	± 1.5 dB max	Measured Current:	870 mA
VSWR Input:	2.0:1	Max. Noise Figure:	1.3 dB
VSWR Output:	2.0:1 Z=50 Ohms	Outline: Model:	D9 EM2666CCSA

**Note: Test data taken with case temperature of +23 °C**

Frequency (GHz)	Gain (dB)	VSWR		Noise Figure (dB)	Psat @ Pin -53 (+dBm)
		In	Out		
0.05	43.2	1.97	1.98	1.30	33.1
1.00	45.8	1.99	1.98	1.28	33.2

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 +20 dBm.

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

DATE: 05/20/2016

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<b>APTMP4-00050100-1333-D9</b>	<b>VALUE(S)</b>
Frequency	50-1000 MHZ
Gain	43dB Min 45dB Typ.
Gain Flatness	+/- 1.5dB Max
Noise Figure	3.0 dB Max, 2.5 dB Typ.
OP1dB	+33.0 dBm Min.
VSWR in/out	2.0:1 Max.
Voltage Supply	+15V/ 1.7 A Max
IP3	43 dBm Typ
Connectors: a. RF connectors b. DC connectors	SMA-F
Package size with GND pin	2.5 x 1.0 x 0.5 Inches
Temperature range base plate	0°C to +50°C

