



Test report is for reference only.

TEST REPORT
For
PA8596N4040



Technical Specification

Frequency Range(GHz)	8.5~9.6
Gain(dB)	40 min
Gain Flatness(dB)	±1.0 max
Pout @1dB(dBm)	40 min
Noise Figure(dB)	7 max or better
Input VSWR @ 50ohm system	2:1 max
Output VSWR @ 50ohm system	2:1 max
Operating Voltage(V)	12
Current Consumption(A)	8 max
Connectors	SMA-Female
Operating Temperature(°C)	-50~+65
Size(mm)	160x64x25 Around
Protection	Output match protection
Net Weight(Kg)	0.50 Around

Test Instruments

- 83630B
- 8757E
- 438A
- DH1718E-5

Test condition

Input Power: ≤20dBm or 30dBm

Test Results

1. Pout @ 1dB

Frequency (GHz)	8.5	9.0	9.6
Pout@1dB (dBm)	40.3	41.2	41.0
Gain Flatness (dB)	1.46		
Gain max	5.92		
Gain min	3.01		
Noise Figure (dB)	4.5		
Environmental Temperature (°C)	-55~+65		
Operating Voltage (V)	12		
Operating Current (mA)	6.5A		

2. Gain (add -41dB attenuator)

