



D-Clue Technologies Co.,Ltd,
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D-CLUE Technologies Announces Shipment of New 3.3V Operating High Power RF Power Amplifier for Mobile WiMAX Terminal

Tokyo, March 22, 2007 — D-CLUE Technologies Co., Ltd. (CEO: Akihiko Ishikawa) announced to start the sample shipping of WiMAX low voltage power amplifier DC1103 in the middle of April, 2007. The DC1103 is for mobile WiMAX terminals enabling 3.3V operating of the worldwide highest level and operates over the full 3.3 – 3.8 GHz frequency range with 30 dB of gain.

We proceed to make the series of high power and high performance RF power amplifiers for WiMAX and other broadband wireless application , in addition to the DC1101, DC1102 and the new DC1103.

About the DC1103

- 1. The world top level power amplifier for mobile WiMAX terminals that have 1W transmit output power with a 3.3V single power supply**

- 2. World top level high output and low distortion with a 3.3V single power supply**

The DC1103 transmit power is P1dB 30dBm with 3.3V operation and P1dB 33dBm with 5V operation., and also at 2.5% EVM, 24dBm with 3.3V operation and 27dBm 5V operation.

- 3. Small size and low power consumption suited to mobile WiMAX terminal**

The DC1103 is small package (QFN 24 pin) and low power consumption.

Pricing and Availability

The DC1103 sample shipping is scheduled from the middle of April, 2007. The price is \$10.00 per unit.

Future Developments

D-CLUE Technologies continues to develop the high power and high performance RF power amplifiers for the wireless broadband market demand. Specifically, we are planning the following products.

DC1122 2.6GHz WiMAX Low Voltage High Power Amplifier

(Sample Shipping is scheduled in July, 2007.)

Main Specification

- Frequency Range 2.2GHz ~ 2.7GHz
- Output 33dBm(3.3V operation)
- Gain 30dB
- EVM 2.5% at Po=27dBm(3.3V operation)

We have a clue to your dreams.



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DC1123 3.5GHz WiMAX Low Voltage High Power Amplifier

(Sample Shipping is scheduled in September, 2007.)

Main Specification

- Frequency Range 3.3GHz ~ 3.8GHz
- Output 33dBm(3.3V operation)
- Gain 30dB
- EVM 2.5% at $P_o=27\text{dBm}$ (3.3V operation)

DC1104 2.6GHz WiMAX High Power Amplifier (Planning)

Main Specification

- Frequency Range 2.2GHz ~ 2.7GHz
- Output 37dBm(5V operation)
- Gain 33dB
- EVM 2.5% at $P_o=31\text{dBm}$ (5V operation)

Line-Up

Now, we have the following products.

DC1101 High Power Linear Power Amplifier

Main Specification

- Frequency Range 1.8GHz ~ 2.7GHz
- Output 33.4dBm(5V operation)
- Gain 27dB
- Application WiMAX, CPE, Base Station, WCDMA Repeater, etc.

DC1102 2.6GHz WiMAX Low Voltage Power Amplifier

Main Specification

- Frequency Range 2.2GHz ~ 2.7GHz
- Output 30dBm(3.3V operation)、33dBm(5V operation)
- Gain 30dB
- EVM 2.5% at $P_o=24\text{dBm}$ (3.3V operation)
- Application Mobile-WiMAX, CPE, 2.5GHz ISM Band Applications, etc.

Product Inquiries

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Headquartered in Yokohama, in Japan. D-CLUE Technologies, the pioneer in WiMAX Power Amplifier, is a leading design company focusing on analog/RF technology and platform technology. For more information, please visit our website at www.d-clue.com.

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