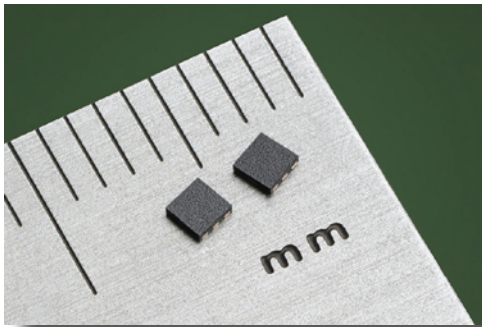


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For more information:Editors please call Joe Grimm at CEL 408-919-2226 — e-mail: joe.grimm@cel.comCEL's Web Address is www.cel.com**NEC's new Bluetooth/ZigBee Power Amplifier combines high output and low power consumption in an ultra-miniature package**

Santa Clara, CA — June 1, 2006 — Here's good news for designers of range extension products for Class 1 Bluetooth and ZigBee networks. Developed to serve 2.4 to 2.5GHz applications, NEC's new **UPG2314T5N** GaAs HBT Power Amplifier IC delivers up to +20 dBm output power with current consumption of just 65mA. The low power consumption and an ultra-miniature 1.5 x 1.5 x 0.37 mm package make the **UPG2314T5N** an ideal candidate for compact, battery-powered designs.

Key typical specifications (at $V_{cc} = 3V$, $P_{IN} = 0$ dBm) include:

Operating Frequency	2.4 to 2.5 GHz
Output Power	+20 dBm
Circuit Current	65 mA
Gain Control Range	23 dB

The **UPG2314T5N** PA can be easily integrated with NEC's ultra-miniature Switch ICs for designs that require switched outputs. To help speed circuit design the **UPG2314T5N** is available on evaluation boards, either by itself or in combination with NEC's **UPG2214TK** switches. These evaluation boards are available through CEL offices or **Mouser Electronics**. For a data sheet, visit www.cel.com.