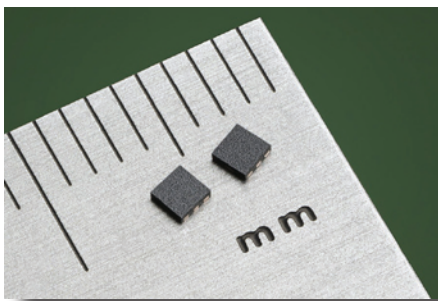


Release No. CL-341-P**For more information:**Editors please call Joe Grimm at 408-919-2226 — email: joe.grimm@cel.comReaders call your local CEL Sales office, numbers are listed at www.cel.com

New WLAN/WiMax SPDT Switch from NEC delivers industry-leading performance, new smaller package



Santa Clara, CA — July 5, 2005 — NEC, the acknowledged leader in miniaturized RF semi-conductor packaging, has good news for WLAN and WiMax designers. The new **UPG2163T5N** GaAs MMIC SPDT (Single Pole Double Throw) switch delivers industry-leading insertion loss performance in a new miniature, low profile 6 pin package. This TQFN package measures just 1.5 mm square and 0.37 mm high. Compared to the industry-standard SOT-363, it offers a 46% reduction in footprint and a 57% reduction in height. The ultra-low profile makes the TQFN a potential alternative to chips in module designs, and an ideal choice for thin PCM cards. With operation from 2.3 to 6 GHz, the **UPG2163T5N** is ideal for dual band 802.11a,b,g as well as 3.5 GHz WiMax applications.

Key specifications include:

| | |
|----------------------------------|--|
| Configuration | SPDT |
| Operating Frequency | 2.3 to 6.0 GHz |
| Insertion Loss | 0.4 dB typ @ 2.5 GHz 0.5 dB typ @ 6 GHz |
| Input to Output Isolation | 35 dB typ @ 2.5 GHz 30 dB typ @ 6 GHz |
| P_{1dB} | +31 dBm typ @ 3V, 2.5 GHz +29 dBm typ @ 3V, 6 GHz |

Samples of the **UPG2163T5N** are available now from California Eastern Laboratories, with mass production scheduled for July '05. To help speed circuit design, evaluation boards will be available through CEL's network of sales offices or from *Mouser Electronics*. For data sheets, visit www.cel.com