

# Fujitsu Microelectronics Europe introduces low power PLL for high speed WLAN

Submitted by: JDK Marketing Communications

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London, December 5th 2002. Fujitsu has recently introduced a low power PLL (Phase Locked Loop) solution for Wireless LAN, the MB15F76UL. This dual frequency synthesiser (IF+RF) is ideally suited for every WLAN standard, particularly IEEE 802.11a+b, due to its RF operating frequencies ranging from 2GHz to 6GHz.

With the market demands for ever-decreasing power consumption in PLL's, this new product features a typical supply current consumption of 6.2mA at 3V in RF range, with a supply voltage range of 2.7V to 3.6V. This allows the MB15F76UL to provide maximum operation times even at a high operation frequency without degrading the performance.

In addition, the charge pump output current is programmable between the limits 1.5mA to 6mA, and the device features low phase noise and fast lockup.

Housed in the ultra small 20pin BCC (Bump Chip Carrier) package measuring just 3.4mm x 3.6mm x 0.55mm(typ), the MB15F76UL offers a 30% reduction in chip size in comparison with the previous generation.

In order to aid system design Fujitsu is also offering development kits with the device.

About Fujitsu Microelectronics

Fujitsu Microelectronics Europe is a major supplier of semiconductor products to the European and global market. The company's main business focus is on providing systems solutions to the networking/telecommunications, mobile communications, automotive and multimedia markets.

Fujitsu offers a broad range of semiconductor devices, including telecommunications ICs, RF devices, MPEG encoders and decoders, microcontrollers and microprocessors, FCRAMs and Flash memory. The company is also a leader in colour plasma display panels. For more information visit Fujitsu Microelectronics Europe's website at <http://www.fme.fujitsu.com>

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Further information on Fujitsu Microelectronics Europe's products is available on our WWW address at:

<http://www.fme.fujitsu.com>

A medium resolution picture relevant to this press release can be found by following the link:

<ftp://ftp.jdk.co.uk/Fujitsu/Press/MRPR770.jpg>

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