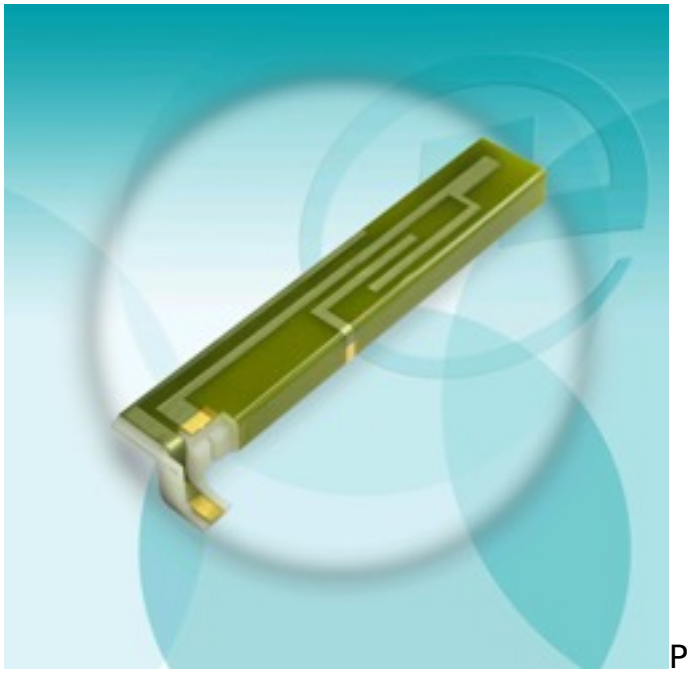
# Switchable Antenna Targets LTE-enabled Tablets



Pulse Electronics, a leading provider of electronic components, introduced a 700-LTE (long term evolution), high-performance, low profile antenna for LTE-enabled tablets. This switchable antenna for mobile connected PCs is only 1mm high. It enables 4 states for low band: 700-750MHz (LTE low), 750-790MHz (LTE high), 820-900MHz (GSM850), and 880-960MHz (GSM900), and covers 1800/1900/2100 for high band applications, with switching implemented directly from the device's display area.

"Real-time applications, games, video downloading, and other ultra-fast broadband services require LTE. Advanced antenna solutions are a key concept behind the superior performance of LTE. Yet, incorporating LTE in the thin, sleek, tablet PCs has provided challenges to tablet designers and manufacturers. In addition, tablets have to accommodate lower bands and GSM and these all have to be interchangeable. Pulse Electronics' new antenna makes switching frequencies easy, is only 1mm high, and provides high performance for mobile connected PCs," explained Maritta Timosaari, director of sales and marketing for Pulse Electronics Mobile Division.

Pulse Electronics' LTE antenna has a length of 65mm and a width of 12mm, incorporating flexibility as the length can be varied according to customer requirements. The antenna can be adjusted for various display sizes, as long as good grounding to the display shield can be provided. Because the antenna pattern is basically planar, it can be installed at the furthest point from the body, which makes it favorable for SAR-sensitive applications. It is compatible with metal tablet holders and with several antenna manufacturing technologies, such as LDS, flex, and sheet metal. The switch is a Sony SP4T.

Pulse Electronics' switchable antenna for LTE applications is RoHS compliant. It is

customizable. Engineering samples are available. For more information, and the datasheet visit the Pulse Electronics website at http://www.pulseelectronics.com/ltetabletantenna-p [1], or call +358- 40-502 9529.

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[1] http://www.pulseelectronics.com/ltetabletantenna-p