



World's Smallest Tactile Switch Now Available From Omron

January 2007—Schaumburg, IL USA—Omron Electronic Components LLC announces the availability of the B3U series of ultra-small tactile SMD switches. Measuring just 1.2H x 3W x 2.5Dmm and taking only 75% of the volumetric space of similar models (9 cubic mm vs. 12 to 16 cubic mm), they are ideal for high-density packaging applications. The B3U SPST-NO contact configuration has a switching capacity of 1 to 50mA @ 5 to 12VDC with an initial contact resistance of 100m ohms max, and features dust-proof construction delivering reliable performance in harsh environments. These versatile switches are available in top or side actuated configurations, a ground terminal version provides protection against static discharge, and they can be delivered with or without a locating boss.

The B3U operates in a temperature range of -25 to +70 degrees C in 60% humidity without icing or condensation. They are fully RoHS compliant and the top actuated model (B3U-1000 series) has a minimum life expectancy of 200,000 operations while the side-actuated model (B3U-3000 series) has a minimum life expectancy of 100,000 operations. The operating force for the B3U-1000 is 153 +/-50gf and the B3U-3000 is 162 +/-50gf; the release force for both is 20.3gf minimum. Applications include mobile phones, remote controllers, portable audio players, computer games, wristwatches, and computer peripherals.

“Handheld wireless devices are continually being pushed for additional features while, at the same time, size must be reduced. The B3U requires less than 75% of the volumetric space as compared to their predecessors giving designers an advantage,” said Cami Marsh Omron Electronic Components LLC.

MSRP for any style is \$0.392 each in full reel quantities: 3,500 pieces per reel for B3U-1000 series and 4,000 pieces per reel for B3U-3000 series. Delivery is stock to 8 weeks. Engineering samples and a complete set of technical data is available by contacting Omron Electronic Components at 847-882-2033, Email: components@omron.com, or by visiting www.components.omron.com.

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Omron Electronic Components LLC is responsible for the introduction of new Omron optical component technologies to the Western Hemisphere. Omron is a leading manufacturer and provider of advanced electronic components worldwide. Extensive product groups include relays, switches, connectors, optical sensors, and optical components. Omron Electronic Components is the Americas subsidiary of Omron Corporation, a \$5.5 billion global leading supplier of electronics and control system components and services. Their broad product offering can be found in applications for the communications, transportation, medical, HVAC, appliance, industrial automation, consumer electronics, and test & measurement markets around the world. Omron Electronic Components has an extensive sales network consisting of regional sales engineers, inside sales representatives, technical sales assistants, customer service staff, and an authorized Distributor network.