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## Long Life and Increased Temperature Range TL6800 Series Tactile Switch

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**Highlight Features** - The TL6800 series provides up to 1,000,000 cycle life expectancy, operating and storage temperature range from -40°C to 90°C, and rated IP67 for moisture and dust protection.

**Standard Features** – The TL6800 series tactile is a SPST, Off-(On) mid-size surface mount switch measuring 7.20mm L x 6.30mm W x 3.1mm H. Provides contact rating of 50mA, 12VDC, J-bend termination, silver contact material, 160gf or 260gf actuation force options, and 0.25mm + 0.15mm travel. The product comes in tape and reel packaging (1,500 pc/reel).

**Applications** – The haptic technology of the TL6800 series tactile switch makes it ideal for audio/visual equipment, computer peripherals, consumer electronics, medical equipment, telecommunication devices, and test & instrumentation equipment.

**Specifications include:**

**Contact Rating:** 50mA, 12VDC

**Electrical Life:** Up to 1,000,000 Cycles

**Contact Arrangement:** SPST Off – (On)

**Contact Resistance:** 100m Ω Max. (Initial)

**Insulation Resistance:** 100MΩ Min @100 VDC

**Dielectric Strength:** 250VAC for 1 minute

**Operating Temperature:** -40°C to 90°C

**Storage Temperature:** -40°C to 90°C

**Moisture Protection:** IP67

**Travel:** 0.25mm +0.15mm

**Operating Force/Life Cycle:** 160 gf ± 50gf/1,000,000 cycles  
260gf ± 50gf/500,000 cycles

**Function:** SPST, Off – (On)

**Contact Material:** Silver

**Packaging:** Tape and Reel, 1,500 pc/reel



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**E-Switch** offers one of the broadest switch lines available today and has been delivering innovative and quality switches to the electronics, telecom, high tech, medical, instrumentation, industrial, audio/visual, appliance markets since 1979.

Headquartered in Minneapolis, Minnesota, with offices in Singapore and Hong Kong, E-Switch's global reach extends to Europe, Asia, and Latin America. Products include Tact, Pushbutton, Rocker, Toggle, Slide, DIP, Rotary, Keylock, Snap Action, Power, Illuminated Switches and more. E-Switch has local reps, engineers, and account managers on hand to provide specifying assistance and quick response to 3D drawing requests and other inquiries, along with a top-notch sample program that allows engineers to examine and qualify switches for end-product applications.

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