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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: 100M Ω 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 \pm 50gf/1,000,000 cycles
260gf \pm 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.
