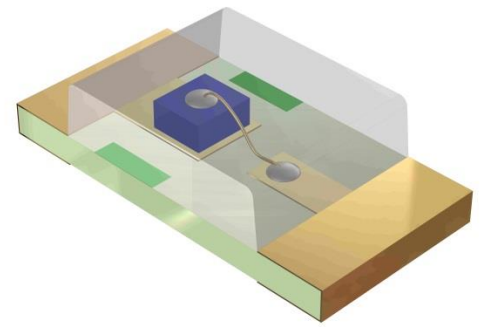


Design variations may include polyester dome, metal dome, or flat micro-motion membrane switches. The overlay may be flat or embossed, depending on design. Further integration is achieved by including printed Polymer Thick Film (PTF) resistors.



S.M.T. for Membrane Switch Technology

Surface Mount components are incorporated into membrane switch technology through the use of ceramic chip LEDs and flexible conductive Polymer Thick Film (PTF) adhesives. By Integrating these surface mount devices into the membrane assembly, separate PCB assemblies can be simplified or eliminated. Viewing angle is maximized by embossing the overlay over the device (see illustration). Contrast is optimized by printing the lens with concentrated tint which is spectrophotometrically matched to the peak wavelength of the LED.

Advantages

- High Reliability
- Long Life
- Design Flexibility

Applications

- Medical Equipment
- Industrial Process Controllers
- Computer Peripherals
- Military Applications

Options

- PTF Resistors
- PCB Assemblies
- ESD/RFI Shielding

Specifications *

- Operating current (typ) 10 - 30mA.
- Luminosity (20mA) 3.0 - 4.0 mcd
- Forward Voltage 1.8 - 2.5 V
- Viewing Angle 150° - 180°

*Specifications shown above are typical. Custom configurations are available.