

ED Domes and EDM Domes



ED

ED, the disc contact is a momentary tact switch with short travel and good tactile feedback. Direct mounting on a printed circuit board is possible.

In that case, the dome must be actuated by a soft actuator of 3.0 mm (0.118) minimum diameter. The ED dome is available in various types of modules and is the main component of several switches presented in this catalog.

Self-cleaning system:

The contact is made on at least 3 points of the lower diaphragm, these 3 points of contacts are always different at each new switch action. During the switching movement, the upper disc slides on the lower diaphragm, ensuring the contact's self-cleaning.

EDM

The EDM is available in 4 versions:

EDM 450 AU
EDM 650 AU
EDM 450 AG
EDM 650 AG

The EDM Multi Dome Series was developed for low profile applications needing increased tactile response and high performance specifications.

Applications range from aircraft instrument panels to radio keypads. This high performance dome switch combines our reliable ED contact system with added tactile domes for forces of 4.5N (450 grams) and 6.5N (650 grams).

Main features

- Gold (Au) or silver (Ag) contacts
- Two different operating forces
- Low profile
- Compact PWB spacing
- Proven application in avionics

SD Domes



The SD domes are available in 4 types:

SD 156
SD 270
SD 350
SD 500

The SD Domes are designed for printed circuit board switch-contact applications. The switch-contact rated domes are available in stainless steel or gold plated and can electrically function as a shorting element. The SD switches are designed to actuate to the flat position.

Main features

- Switch-contact or tactile element
- Stainless steel (or gold on request)
- Long life: 1 million operations, SD 156 10⁶ operations
- Four sizes: 3.96; 6.85; 8.89; 12.7 mm (0.156, 0.270, 0.350, 0.500)

Applications

- Flat panels
- Communications
- Automotive
- Avionics
- Security alarm

MSD Domes



2 versions: MSD 350 and MSD 500

The MSD dome element is designed for flexible membrane tactile response applications. MSD's are available in stainless steel with a unique dimple construction that allows for dome over-travel. The overtravel feature 0.17 – 0.25 mm (0.007 – 0.010) allows the dome to actuate flexible membrane circuits below the flat surface position. This provides a snap tactile response along with the means to operate the flexible conductive contacts.

- Consistent dome force
- Stainless steel construction
- Long life: 1 million operations
- Two sizes: 8.89 mm , 12.7 mm (0.350, 0.500)

Main features

- High tactile response for positive operator feedback
- 0.17 – 0.25 mm (0.007 – 0.010) over-travel for flexible contact panels