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



Ordering code: see next page.

Cannon



Dimensions are shown in mm (inch) Dimensions subject to change

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Dimensional Drawings ED Domes 1.2 (0.0472) 12 (0.472) 11.'36 (0.447) 12.7 10.35 (0.5) (0.407) 0.8 (0.0315) 5.7 (0.224) 11.3 (0.445)

Switch action principal

The disc contact is essentially made of two separate conductive domes diaphragms separated by an insulated material. The upper diaphragm is shaped so that under pressure it collapses suddenly and establishes contact with the lower diaphragm

diaphragm.



Upper diaphragm

SWITCH IN RESTING POSITION



Ordering code		1	2	3	4
	Example:	ED	S	SC	0
1	Designation: ED / EDM450 / EDM650				
2	Contact material: S = silver, G = gold	}			
3	Contacts: AC = with PC pins, SC = with tabs		>		
4	Sealing: 0 = flux sealed, 1 = totally sealed]			



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