

## ADF Series, Flush Actuator, THT

### Features

- Extremely high contact pressure system allows aqueous or solvent cleaning without tape seal
- Gas tight contacts
- Auto insertable
- Shipped in the OFF position



### Typical performance characteristics

|                                     |                    |
|-------------------------------------|--------------------|
| Contact configuration               | SPST               |
| Contact rating, non-switching (max) | 1 Amp @ 5 VDC      |
| Contact rating, switching (max)     | 100 mA @ 24 VDC    |
| Contact rating, switching (min)     | 0.1 $\mu$ A @ 1 mV |
| Electrical life                     | 1,000 cycles       |
| Mechanical life                     | 1,000 cycles       |
| Contact resistance                  | max 50 mOhm        |
| Insulation resistance               | min 1000 MOhm      |
| Dielectric strength                 | 500 VAC for 1 min  |
| Actuation force                     | 8.0 N (800 gf) max |
| Actuator travel                     | 1.30 mm (.051)     |

### Environmental specification

|                        |                |
|------------------------|----------------|
| Operating temperature  | -30 to +85°C   |
| Storage temperature    | -45 to +100°C  |
| Solder heat resistance | 265°C/10s wave |

### Material specifications

|                           |                          |
|---------------------------|--------------------------|
| Contacts                  | copper alloy gold finish |
| Actuator                  | nylon PA6T               |
| Terminals                 | copper alloy gold finish |
| Base                      | pps                      |
| Cover                     | pps                      |
| RoHS Directive 2002/95/EC | compliant                |

### Product key

Typical product key

**ADF**

**08**

**04**

#### Type

**ADF** Flush actuator, auto insertable through hole DIP switch

#### Positions

|           |             |           |              |
|-----------|-------------|-----------|--------------|
| <b>02</b> | 2 positions | <b>07</b> | 7 positions  |
| <b>03</b> | 3 positions | <b>08</b> | 8 positions  |
| <b>04</b> | 4 positions | <b>09</b> | 9 positions  |
| <b>05</b> | 5 positions | <b>10</b> | 10 positions |
| <b>06</b> | 6 positions | <b>12</b> | 12 positions |

#### Terminal

**blank** through hole - THT

#### Sealing

**blank** No tape  
**T** tape seal

#### Packaging

**blank** tube

#### Material

**04** RoHS compliant

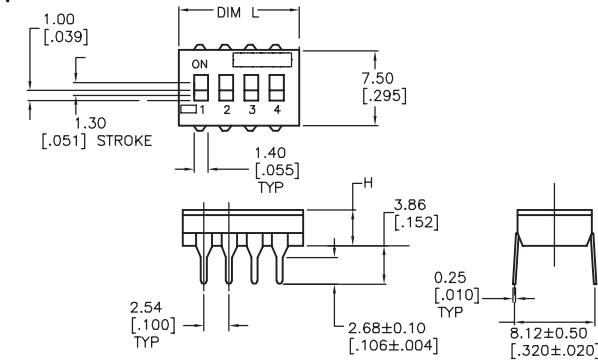
## ADF Series, Flush Actuator, THT (Continued)

### Positions

Codes 02 to 12 2 to 12 positions



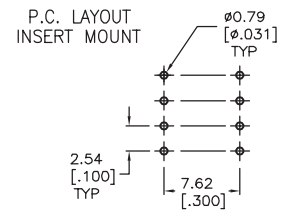
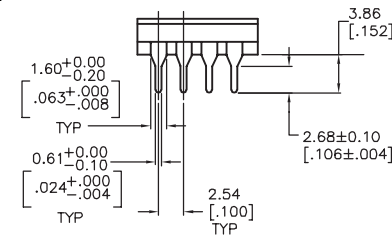
ADF08



| Code | Pos | Dim L         | Dim H       |
|------|-----|---------------|-------------|
| 02   | 2   | 7.06 (.278)   | 3.50 (.138) |
| 03   | 3   | 9.60 (.378)   | 3.50 (.138) |
| 04   | 4   | 12.14 (.478)  | 3.50 (.138) |
| 05   | 5   | 14.68 (.578)  | 3.50 (.138) |
| 06   | 6   | 17.22 (.678)  | 3.50 (.138) |
| 07   | 7   | 19.76 (.778)  | 3.50 (.138) |
| 08   | 8   | 22.30 (.878)  | 3.50 (.138) |
| 09   | 9   | 24.84 (.978)  | 3.50 (.138) |
| 10   | 10  | 27.38 (1.078) | 3.50 (.138) |
| 12   | 12  | 32.51 (1.278) | 3.61 (.142) |

### Terminals

blank through hole - THT



| Product key    | Positions    | Terminal     | Sealing   | Packaging | Material       | Part Number        |
|----------------|--------------|--------------|-----------|-----------|----------------|--------------------|
| <b>ADF0204</b> | 2 positions  | THT          | no tape   | tube      | RoHS compliant | <b>1825002-1</b>   |
| ADF02T04       |              | through hole | tape seal |           |                | 1825002-2          |
| ADF0304        | 3 positions  |              | no tape   |           |                | 1825002-3          |
| ADF03T04       |              |              | tape seal |           |                | 1825002-4          |
| <b>ADF0404</b> | 4 positions  |              | no tape   |           |                | <b>1825002-5</b>   |
| ADF04T04       |              |              | tape seal |           |                | 1825002-6          |
| ADF0504        | 5 positions  |              | no tape   |           |                | 1825002-7          |
| ADF05T04       |              |              | tape seal |           |                | 1825002-8          |
| <b>ADF0604</b> | 6 positions  |              | no tape   |           |                | <b>1825002-9</b>   |
| ADF06T04       |              |              | tape seal |           |                | 1-1825002-0        |
| ADF0704        | 7 positions  |              | no tape   |           |                | 1-1825002-1        |
| ADF07T04       |              |              | tape seal |           |                | 1-1825002-2        |
| <b>ADF0804</b> | 8 positions  |              | no tape   |           |                | <b>1-1825002-3</b> |
| ADF08T04       |              |              | tape seal |           |                | 1-1825002-4        |
| ADF0904        | 9 positions  |              | no tape   |           |                | 1-1825002-5        |
| ADF09T04       |              |              | tape seal |           |                | 1-1825002-6        |
| <b>ADF1004</b> | 10 positions |              | no tape   |           |                | <b>1-1825002-7</b> |
| ADF10T04       |              |              | tape seal |           |                | 1-1825002-8        |
| ADF1204        | 12 positions |              | no tape   |           |                | 1-1825002-9        |
| ADF12T04       |              |              | tape seal |           |                | 2-1825002-0        |

Preferred parts in bold print