

SHEET: 2 OF 5



PART NO.

MCDHN - Series

## REVISIONS

| ECN # | REV | DESCRIPTION | DRAWN | DATE     | CHECKD | DATE     | APPRVD  | DATE     |
|-------|-----|-------------|-------|----------|--------|----------|---------|----------|
| -     | A   | RELEASED    | Ashok | 14/01/12 | Jagan  | 14/01/12 | Farnell | 28/01/12 |
|       |     |             |       |          |        |          |         |          |

**Specifications:**

Mechanical life : 1,000 cycles  
Operation force : 500 gf  
Stroke : 0.6 mm  
Operation temperature : -40°C to +85°C  
Storage temperature : -40°C to +85°C

**Electrical:**

Electrical life : 1,000 cycles  
Non-switching rating : 100 mA, 50 V dc  
Switching rating : 25 mA, 24 V dc  
Maximum contact resistance : 100 mΩ at initial  
Minimum insulation resistance : 100 mΩ at 500 V dc  
Dielectric strength : 300 V ac / 1 minute  
Circuit : SPST

**Material:**

Base : Nylon high-temperature thermoplastic  
Colour : Black  
Cover : Nylon high-temperature thermoplastic  
Colour : Black  
Actuators : LCP high-temperature thermoplastic  
Colour : White  
Contact : Alloy copper with gold plated  
Terminal : Brass with gold plated  
Tape : KAPTON

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**TOLERANCES:**

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**DRAWN BY:**

Ashok

**CHECKED BY:**

Jagan

**APPROVED BY:****DATE:**

14/01/12

**DATE:**

14/01/12

**DATE:**

28/01/12

**DRAWING TITLE:****DIL Switch - MCDHN Series, Top Tape Sealed****SIZE**  
**A**

DWG NO.

**M10001608**ELECTRONIC FILE  
(F)NHDS-V\_2\_DWGREV  
**A**

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 3 OF 5



PART NO.

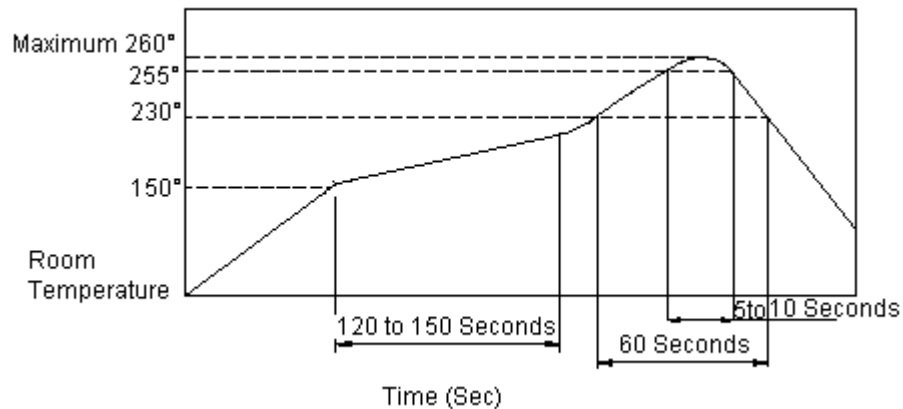
MCDHN - Series

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**Soldering Process:****Cleaning:**

1. Only tape sealed types apply to wash process
  2. Do not remove the tape before wash process
  3. After soldering process, do not continue the wash process immediately. Please wait for at least 3 minutes
  4. Apply alcoholic solvents as cleaning agent do not use other solvents or water
  5. Ultrasonic cleaning is not recommended
  6. The cleaning process per stage is maximum 1 minute and the whole cleaning time are not to exceed 3 minutes
  7. Do not impose any external force on switch while washing
- Any flux enters the switch may fail the conductivity

**Reflow Temperature Profile:**

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SHEET: 4 OF 5



PART NO.

MCDHN - Series

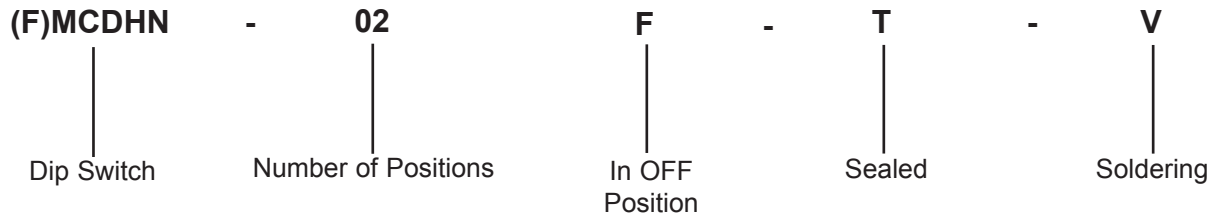
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## Part Number Table

| Description              | Part Number   |
|--------------------------|---------------|
| Switch, DIP, SMD, 2 Way  | MCDHN-02F-T-V |
| Switch, DIP, SMD, 4 Way  | MCDHN-04F-T-V |
| Switch, DIP, SMD, 6 Way  | MCDHN-06F-T-V |
| Switch, DIP, SMD, 8 Way  | MCDHN-08F-T-V |
| Switch, DIP, SMD, 10 Way | MCDHN-10F-T-V |

## Part Number Explanation:



**Dip Switch** : F = Half Pitch Dip Switch (Terminal Length 8.1 mm)  
**Sealed** : T = Top Tape Sealed  
**Soldering** : V = Lead Free Solderable

[www.element14.com](http://www.element14.com)  
[www.farnell.com](http://www.farnell.com)  
[www.newark.com](http://www.newark.com)

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