

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:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

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.

M10001608ELECTRONIC FILE
(F)NHDS-V_2_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 3 OF 5



PART NO.

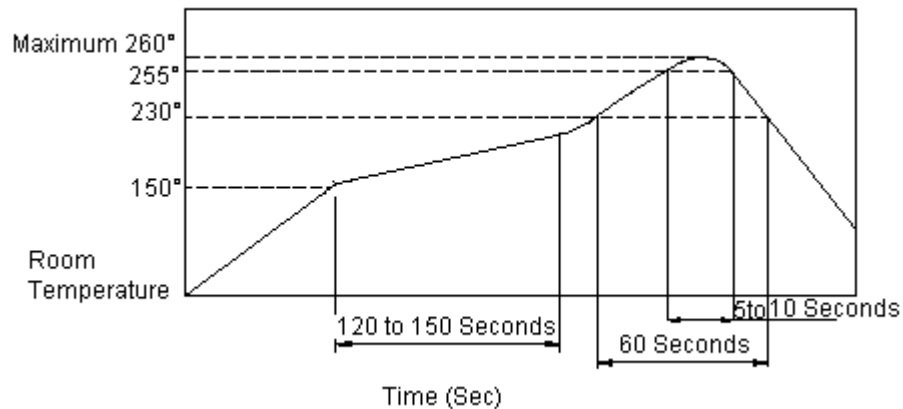
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Soldering Process:**Cleaning:**

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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Jagan

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APPROVED BY:**DATE:**

28/01/12

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

DWG NO.

M10001608ELECTRONIC FILE
(F)NHDS-V_2_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 4 OF 5



PART NO.

MCDHN - Series

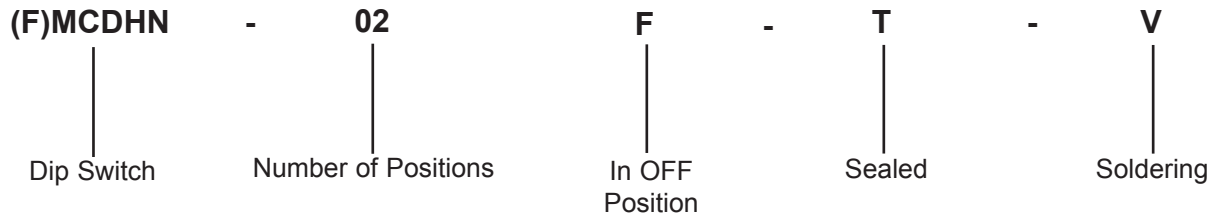
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Part Number Table

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
www.farnell.com
www.newark.com

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DRAWING TITLE:

DIL Switch - MCDHN Series, Top Tape Sealed

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SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 5 OF 5