

Specifications

Mechanical Life	: 1,000 cycles
Operation Force	: 500gf
Stroke	: 0.6mm
Operation Temperature	: -40°C to +85°C
Storage Temperature	: -40°C to +85°C

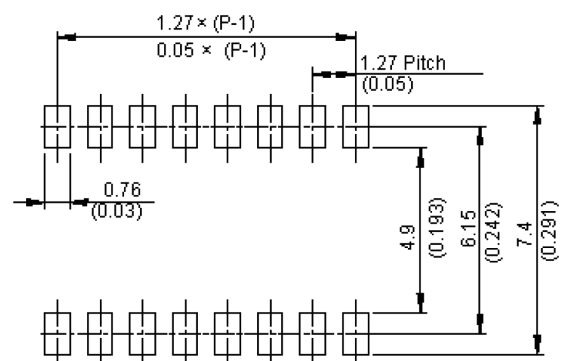
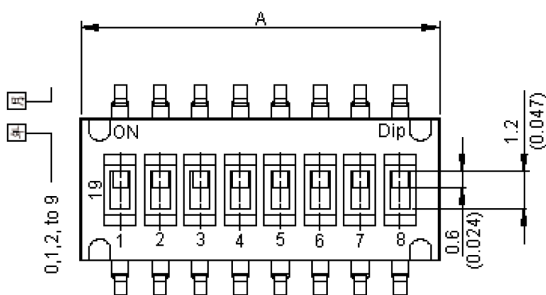
Electrical

Electrical Life	: 1,000 cycles
Non-Switching Rating	: 100mA, 50 V DC
Switching Rating	: 25 mA, 24 V DC
Maximum Contact Resistance	: 100mΩ at initial
Minimum Insulation Resistance	: 100mΩ 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

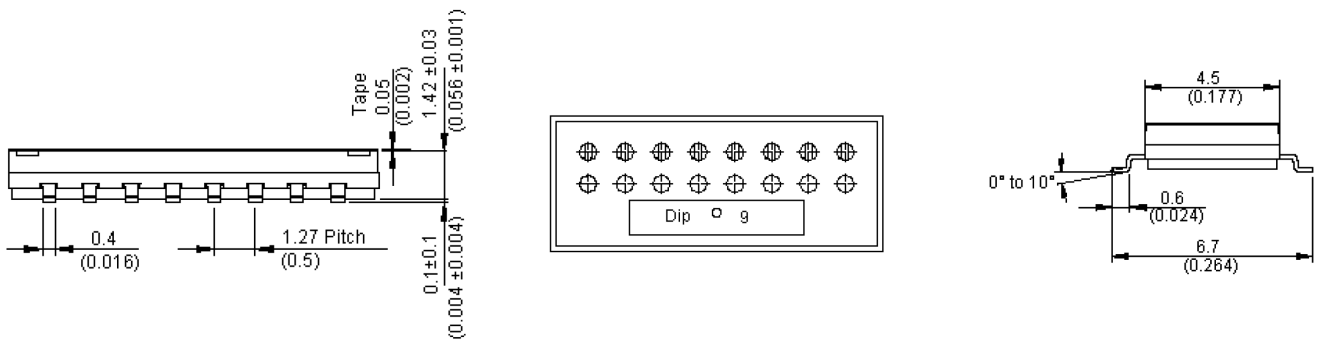
Diagram



PCB Layout

Part Number	No. of Position	"A"
MCDHN-02F-T-V	2	3.77mm (0.15")
MCDHN-04F-T-V	4	6.31mm (0.25")
MCDHN-06F-T-V	6	8.85mm (0.35")
MCDHN-08F-T-V	8	11.39mm (0.45")
MCDHN-10F-T-V	10	13.93mm (0.55")

Dimensions : Millimetres (Inches)



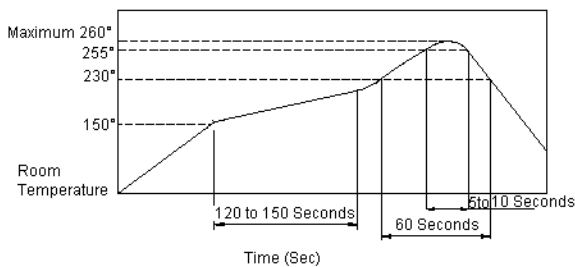
Dimensions : Millimetres (Inches)

Soldering Process

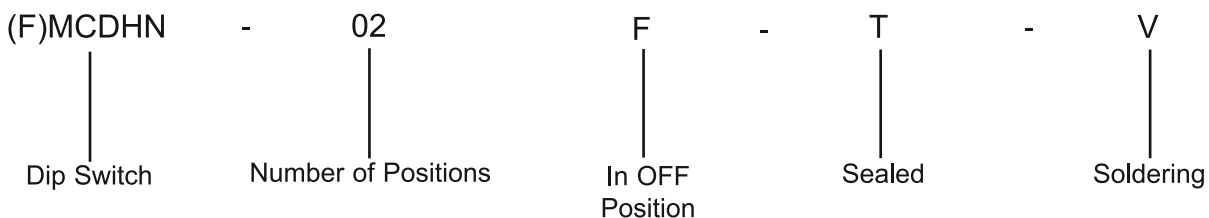
Cleaning

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



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

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

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