





PART NO.

MCHDS-08-T

## REVISIONS

| ECN # | REV | DESCRIPTION | DRAWN | DATE    | CHECKD | DATE    | APPRVD | DATE    |
|-------|-----|-------------|-------|---------|--------|---------|--------|---------|
| -     | A   | RELEASED    | SID   | 13/6/11 | VEE    | 13/6/11 |        | 27/6/11 |
|       |     |             |       |         |        |         |        |         |

## Specifications:

## Mechanical

Mechanical life : 2,000 cycles  
Maximum operation force : 600 gf  
Stroke : 0.6 mm  
Operation temperature : -20°C to +70°C  
Storage temperature : -40° to +85°C

## Electrical

Electrical life : 2,000 operations cycles per switch 24 V dc, 25 mA  
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 / min  
Maximum capacitance : 5 pF  
Circuit : Single pole single throw

## Materials

Base : Nylon thermoplastic  
Base colour : Black  
Cover : Nylon thermoplastic  
Cover colour : Black  
Actuator : LCP thermoplastic  
Actuator colour : White  
Contact : Alloy copper  
Terminal : Brass  
Contact plating : Gold plated over nickel  
Terminal plating : Gold plated  
Tape : KAPTON

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DRAWING TITLE:

## HDS Series

SIZE  
A

DWG NO.

M10002673

ELECTRONIC FILE  
358253REV  
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 4



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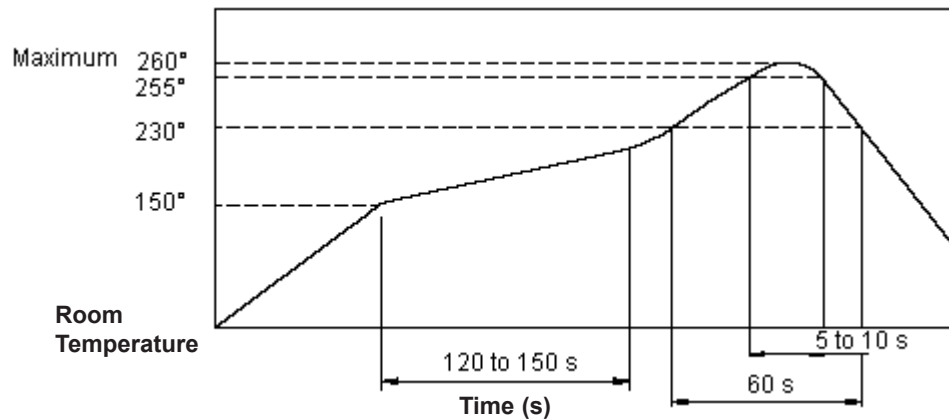
## Soldering and Cleaning Process

Soldering : Vapour phase and reflow soldering can be applied.

### 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 mins.
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 mins.
7. Do not remove the tape before wash process.

### Temperature Profile:



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DWG NO.

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SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 3 OF 4

