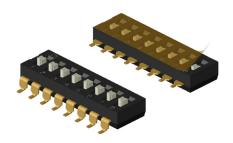
# **DIP Switches**







# **Application**

- Industrial control
- Automatic machines control
- Telecommunication

#### **Features**

- Low profile for space saving
- Gold Contact for high reliability
- Top tape type for washing process
- Lead Free Solderable

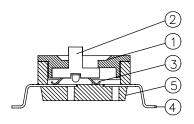
# **Specifications**

Contact Rating : 25mA, 24V DC Contact Resistance : 50mΩ Max.

Insulation Resistance :  $100M\Omega$  Min. 500V DC Dielectric Strength : 500V AC/1 minute Operating Force : 1000gf Max. Travel : 1mm Operating Life : 2000 cycles

**Operating Temperature** : -20°C to +85°C Storage Temperature : -40°C to +85°C

#### Construction



Item	Part Name	Materials	Treatment	Qty.
1	Cover	High – temp. Thermoplastic Nylon UL 94V-0	Molded Black	1
2	Actuator	High – temp. Thermoplastic LCP UL 94v-0	Molded White	
3	Contact	Alloy Copper	Gold plated at contact area.	
4	Terminal	Brass	Gold Plated	
5	Base	High – temp. Thermoplastic PPS UL 94V-0	Molded Black	1

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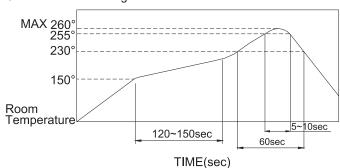


# **DIP Switches**

# multicomp PRO

## **Soldering Conditions**

Condition for Soldering- MP-DM series



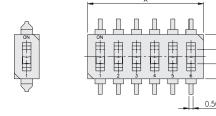
The condition mentioned above is the temperature on the Cu foil of the PCB surface.

There are cases where board's temperature greatly differs from switch's surface temperature depending on board's material, size, thickness, etc. Care, therefore, should be used not to allow switch's surface temperature to exceed 260°C.

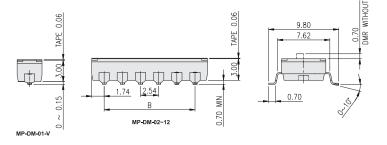
#### **Manual Soldering**

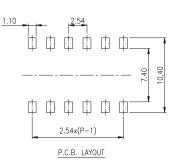
Soldering Temperature	Max. 350°C	
Continuous Soldering Time	Max. 5 seconds	

## **Diagram**



Part Number	No of Pos.	Dim. "A"	Dim. "B"
MP-DM-01-V	1	3.48	-
MP-DM-04-V	4	11.1	7.62
MP-DM-08-V	8	21.26	17.78
MP-DM-08-V-T/R			





#### **CIRCUIT**



Dimensions: Millimetres

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# **DIP Switches**



## **Part Number Explanation**





#### **Number Of Position**

02 = 2 Position

04 = 4 Position

06 = 6 Position

08 = 8 Position

10 = 10 Position 12= 12 Position

## **Part Number Table**

Description	Part Number
DIP Switch, 1 Position, SPST SMD, 25mA, 24V DC	MP-DM-01-V
DIP Switches, 4 Position, SPST SMD, 25mA, 24V DC	MP-DM-04-V
DIP Switches, 8 Position, SPST SMD, 25mA, 24V DC	MP-DM-08-V
DIP Switches, 8 Positions, SPST SMD, 25mA, 24V DC	MP-DM-08-V-T/R

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