



## Specifications

### Mechanical

Operating Force : 200gf-cm max.

### Environmental

Operating Temperature : -40°C to +85°C

Storage Temperature : -40°C to +85°C

### Electrical

Electrical Life : 20,000 steps

Switching Rating : 24V DC, 25mA

Contact Resistance : (a) 100mΩ max. (initial)  
(b) 200mΩ (final – after test)

Insulation Resistance : 100MΩ min. at 250V DC

Voltage Proof : 250V AC for 1 minute

## Material

Base : UL 94V-0 High-temp Thermoplastic  
Colour : Black

Actuator : UL 94V-0 High-temp Thermoplastic  
Colour : White

Contact : Alloy Copper with Gold Plated

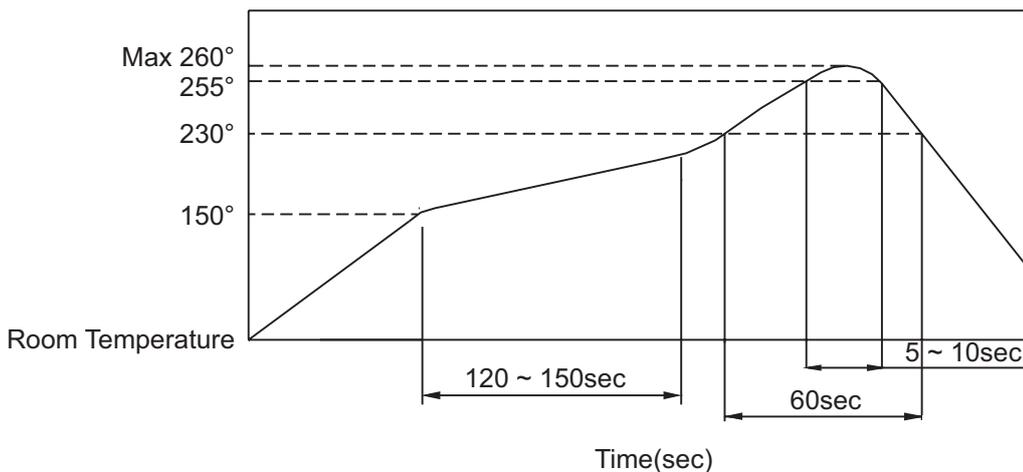
Terminal : Brass with Gold Plated

Cover : Stainless Steel

Seal : Silicone Rubber

Colour : Red

Spring Plate : Stainless Steel



## Soldering process

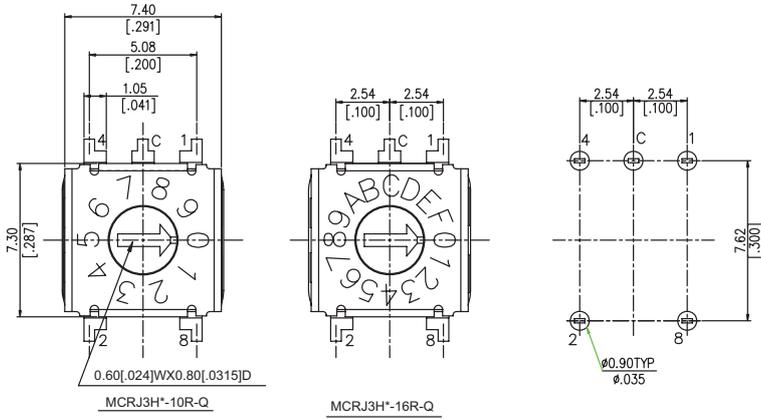
Hand Soldering : Use a soldering iron of 30 watts, controlled at (350°C) approximately max 5 seconds.

Wave Soldering : Recommended temperature at 500°F (260°C) max. 5 seconds. (For through hole type).

Reflow Soldering : When applying reflow soldering, the peak temperature of the reflow oven should be set to 260°C max.

## Dimensions

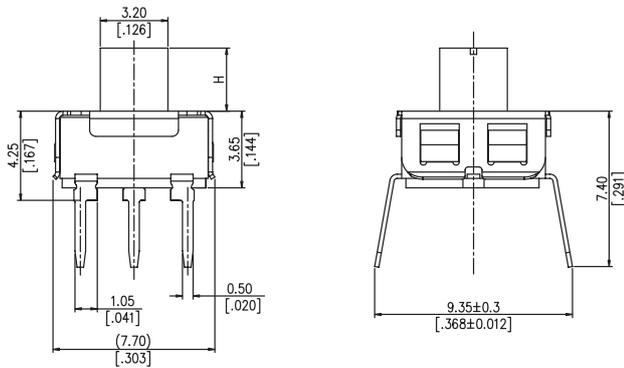
### MCRJH3 Series



### Circuit Chart

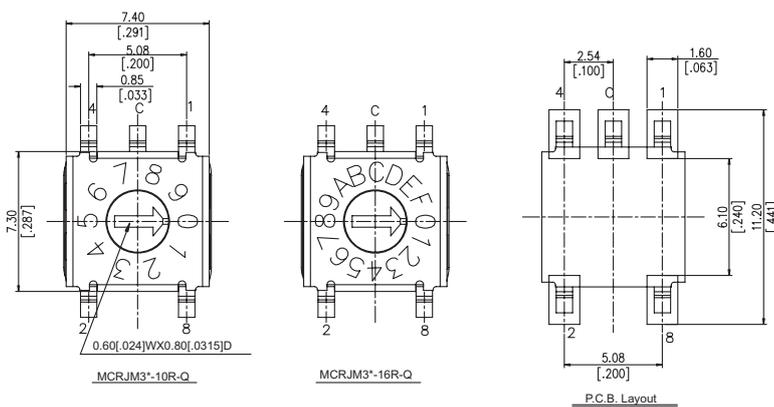
TYPE	POSITION	CODE			
		1	2	4	8
10 STEP	0	●	●	●	●
	1	○	●	●	●
	2	●	○	●	●
	3	○	○	●	●
	4	●	●	○	●
	5	●	○	○	●
	6	●	○	○	●
	7	○	○	○	●
	8	●	●	●	○
	9	○	●	●	○
16 STEP	A	●	○	○	○
	B	○	○	●	○
	C	●	●	○	○
	D	○	○	○	○
	E	●	○	○	○
	F	○	○	○	○

General Tolerance : ±0.2mm



Name	H
MCRJH3-10R-Q	H
MCRJH3-16R-Q	0
MCRJH3H-10R-Q	
MCRJH3H-16R-Q	3.00 [.1181]

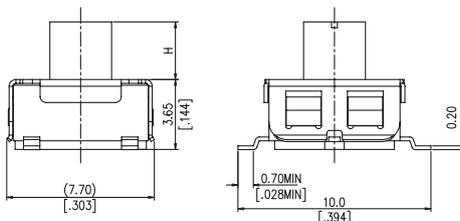
### MCRJM3 Series



### Circuit Chart

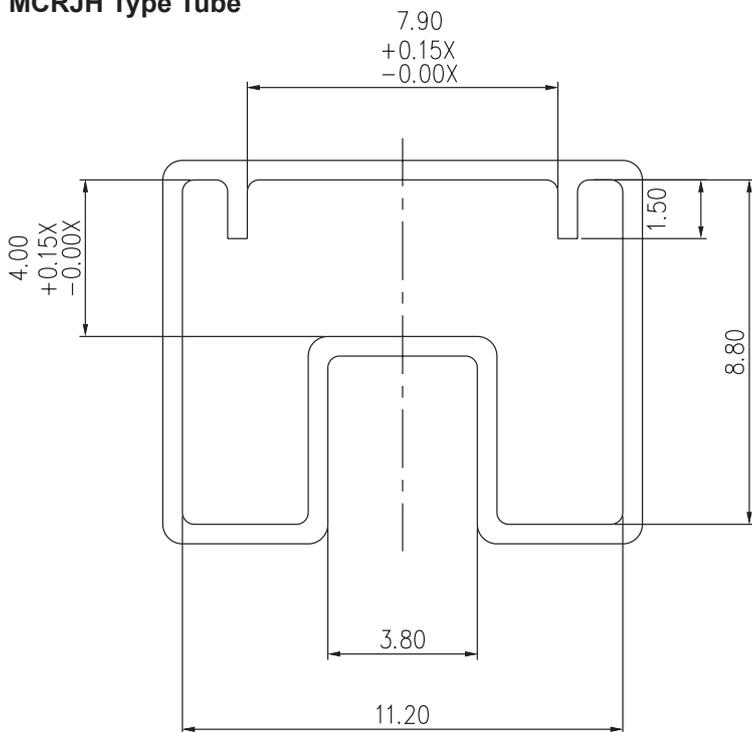
TYPE	POSITION	CODE			
		1	2	4	8
10 STEP	0	●	●	●	●
	1	○	●	●	●
	2	●	○	●	●
	3	○	○	●	●
	4	●	●	○	●
	5	○	○	○	●
	6	●	○	○	●
	7	○	○	○	●
	8	●	●	●	○
	9	○	●	●	○
16 STEP	A	●	○	○	○
	B	○	○	●	○
	C	●	●	○	○
	D	○	○	○	○
	E	●	○	○	○
	F	○	○	○	○

General Tolerance : ±0.2mm



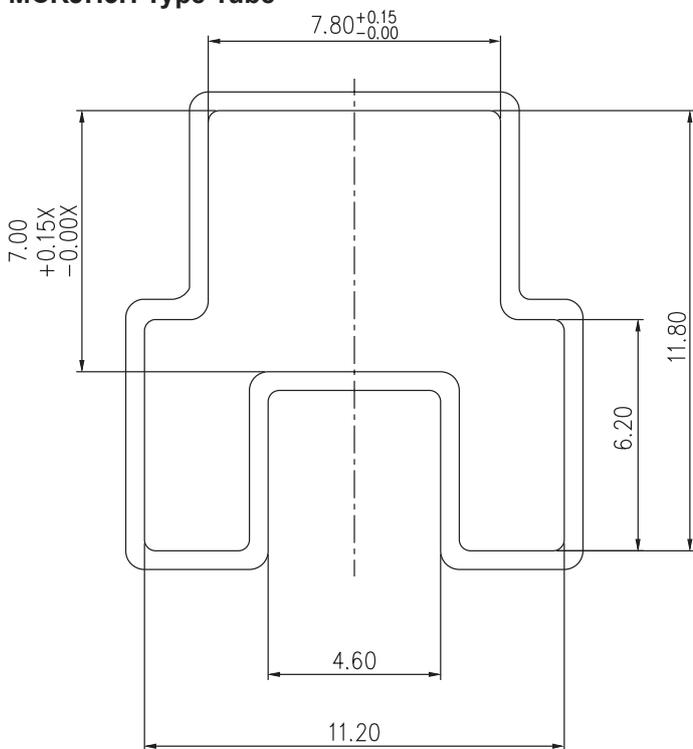
Name	H
MCRJM3-10R-Q	H
MCRJM3-16R-Q	0
MCRJM3H-10R-Q	
MCRJM3H-16R-Q	3.00 [.1181]

## MCRJH Type Tube



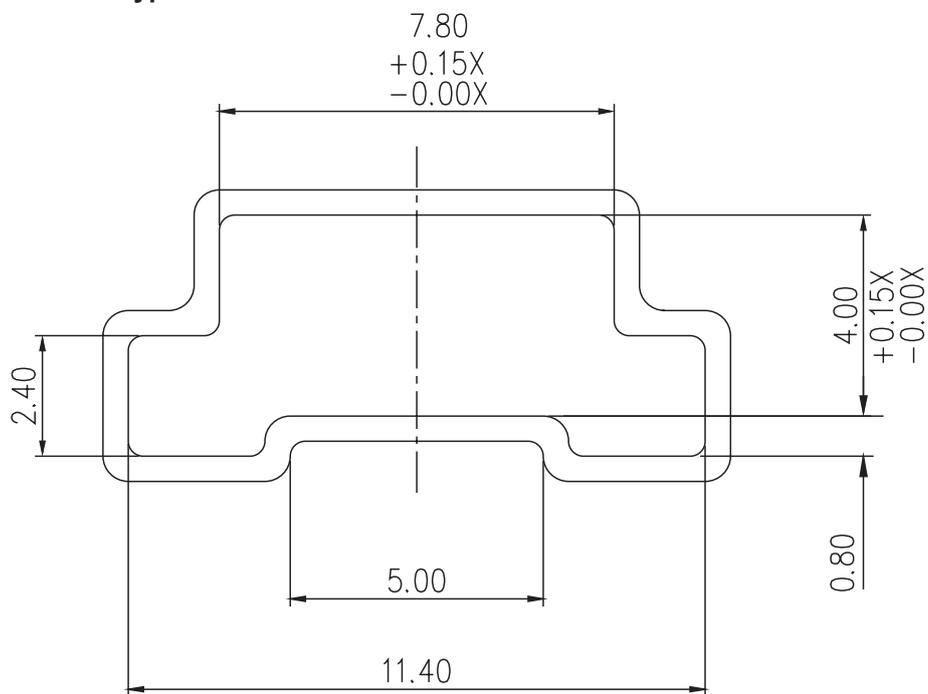
General Tolerance :  $\pm 0.2\text{mm}$

## MCRJH3H Type Tube



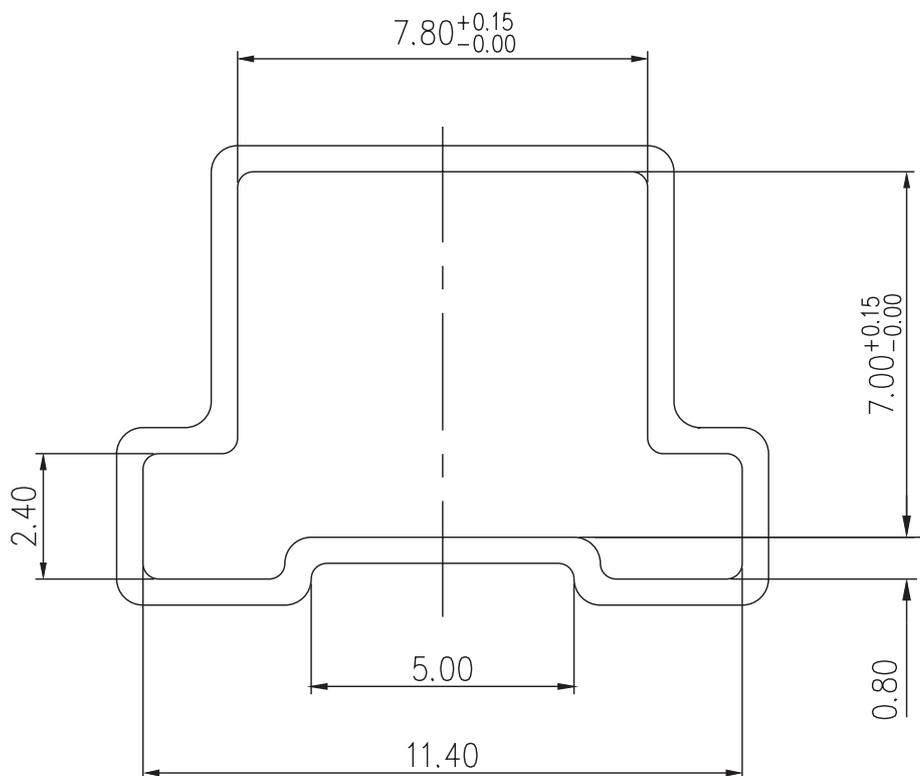
General Tolerance :  $\pm 0.2\text{mm}$

## MCRJM Type Tube



General Tolerance :  $\pm 0.2\text{mm}$

## MCRJM3H Type Tube



General Tolerance :  $\pm 0.2\text{mm}$

## Part Number Table

Description	Part Number
Switch, Rotary, SMD, 7×7, 10 POS, 3×2	MCRJM3-10R-Q
Switch, Rotary, SMD, 7×7, 16 POS, 3×2	MCRJM3-16R-Q
Switch, Rotary, SMD, 7×7, 10 POS, 3×2	MCRJM3H-10R-Q
Switch, Rotary, SMD, 7×7, 16 POS, 3×2	MCRJM3H-16R-Q
Switch, Rotary, THT, 7×7, 10 POS, 3×2	MCRJH3-10R-Q
Switch, Rotary, THT, 7×7, 16 POS, 3×2	MCRJH3-16R-Q
Switch, Rotary, THT, 7×7, 10 POS, 3×2	MCRJH3H-10R-Q
Switch, Rotary, THT, 7×7, 16 POS, 3×2	MCRJH3H-16R-Q

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