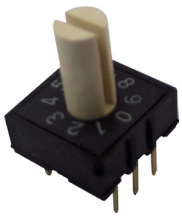
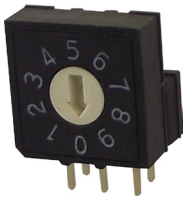
Rotary Series

multicomp PRO

RoHS Compliant



MCRH2



MCRV2

MCRS2

Specifications

Mechanical

Mechanical Life	: 200mΩ max. 20,000 steps
Operating Force	: 200gf-cm max.

Environmental

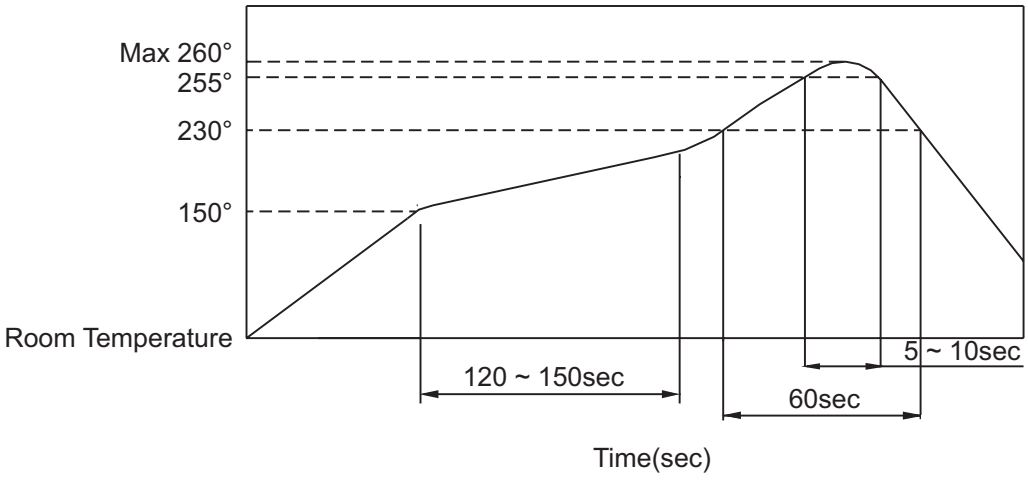
Operating Temperature	: -25°C to +80°C
Storage Temperature	: -40°C to +85°C

Electrical

Electrical Life	: 200mΩ max. 20,000 steps
Non-Switching Rating	: 100mA, 50V DC
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 1min.

Material

Base & Cover	: UL 94V - 0 High-temp Thermoplastic
Colour	: Black
Actuator	: UL 94V - 0 High-temp Thermoplastic
Colour	: White
Contact	: Alloy Copper with Gold Plated over Nickel
Terminal	: Brass with Gold Plated

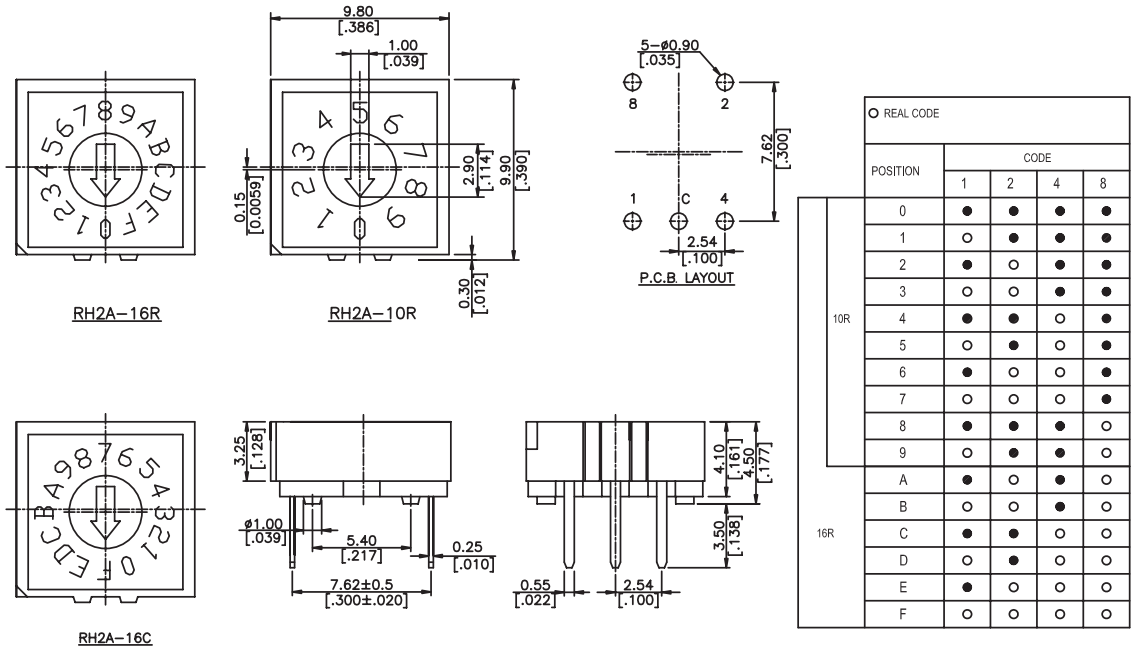


Soldering Process

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

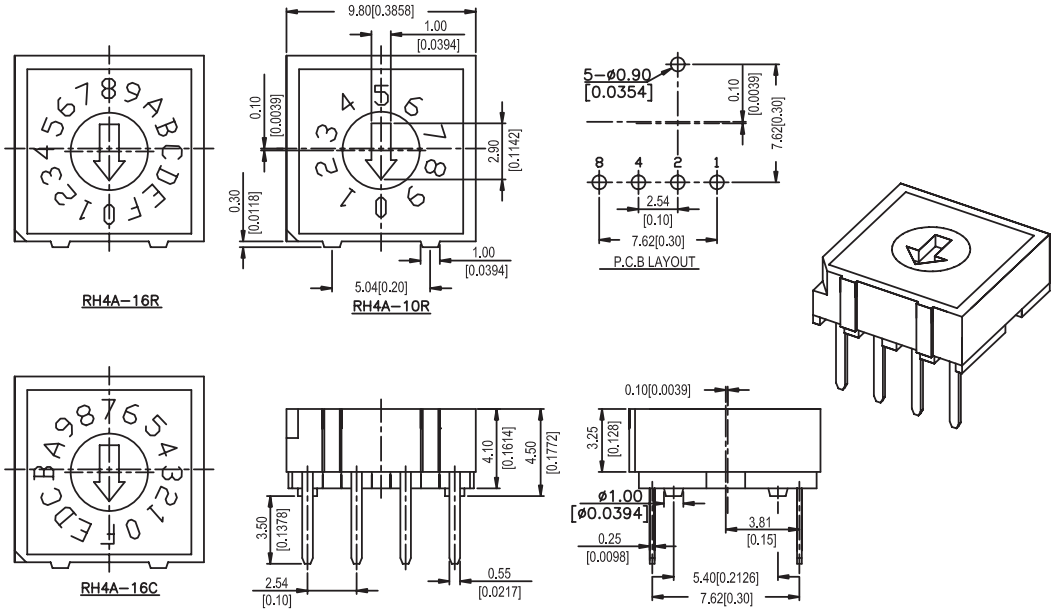
MCRH2



POSITION	1	2	4	8
0	●	●	●	●
1	○	●	●	●
2	●	○	●	●
3	○	○	●	●
4	●	●	○	●
5	○	●	○	●
6	●	○	○	●
7	○	○	○	●
8	●	●	●	○
9	○	●	●	○
A	●	○	●	○
B	○	○	●	○
C	●	●	○	○
D	○	●	○	○
E	●	○	○	○
F	○	○	○	○

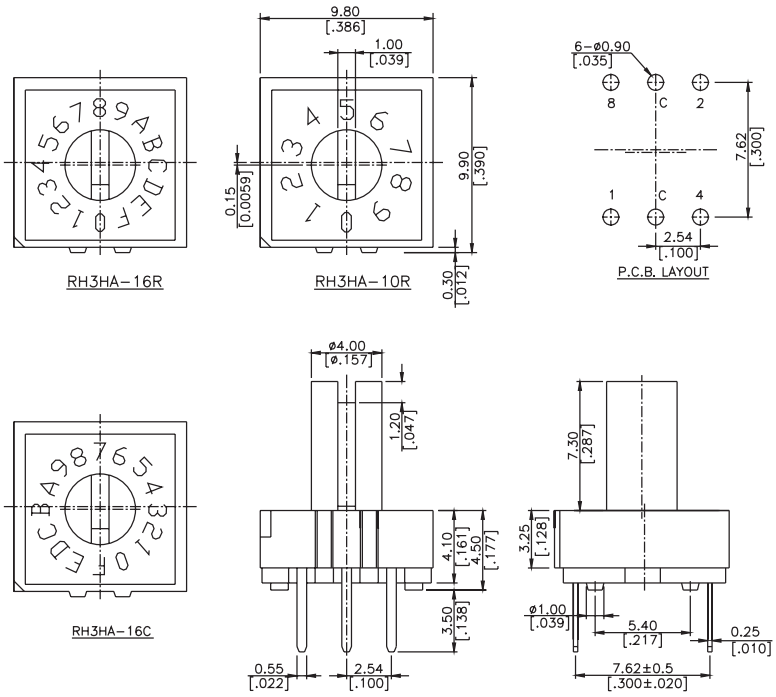
General Tolerance : ±0.2mm

MCRH4



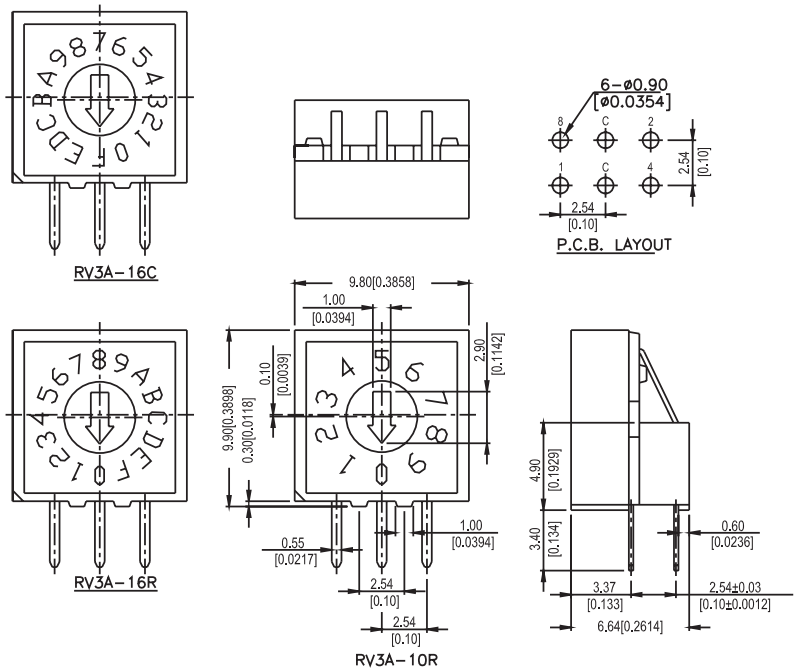
General Tolerance : ±0.2mm

MCRH3H



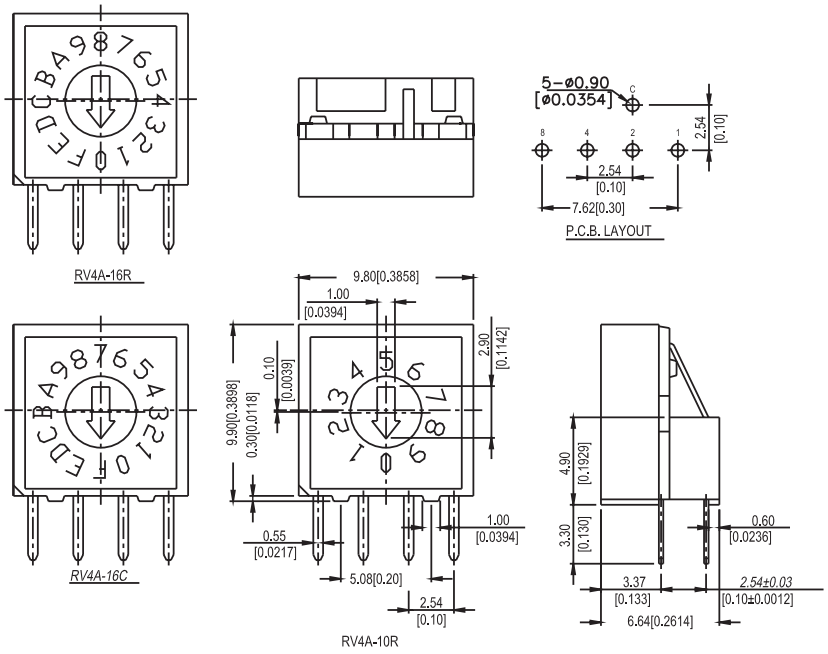
General Tolerance : ±0.2mm

MCRV3



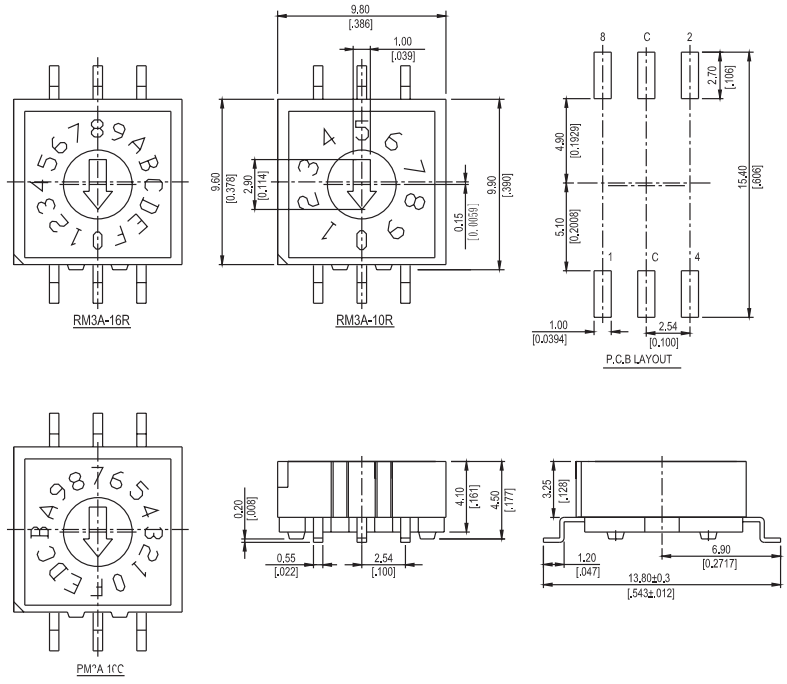
General Tolerance : ±0.2mm

MCRV4



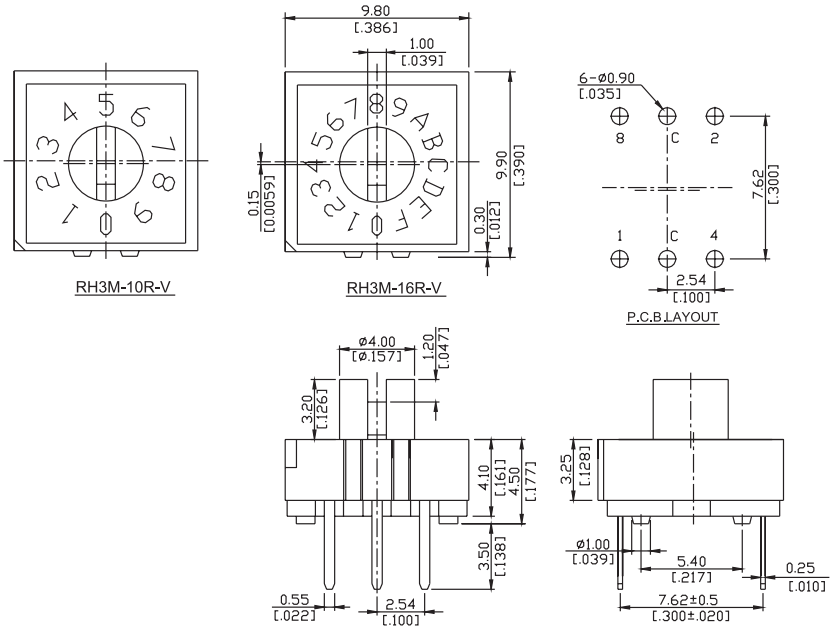
General Tolerance : ±0.2mm

MCRM3



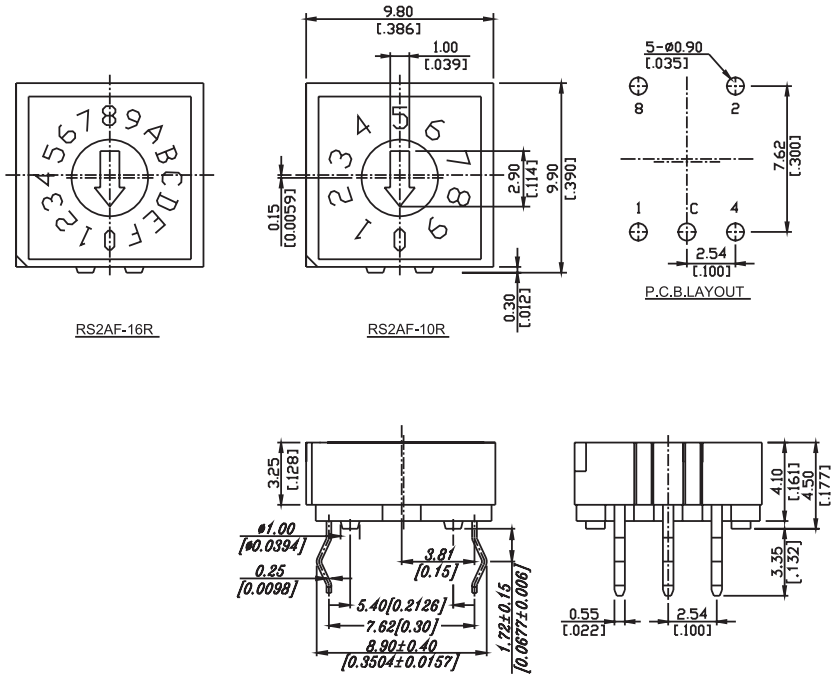
General Tolerance : ±0.2mm

MCRH3M



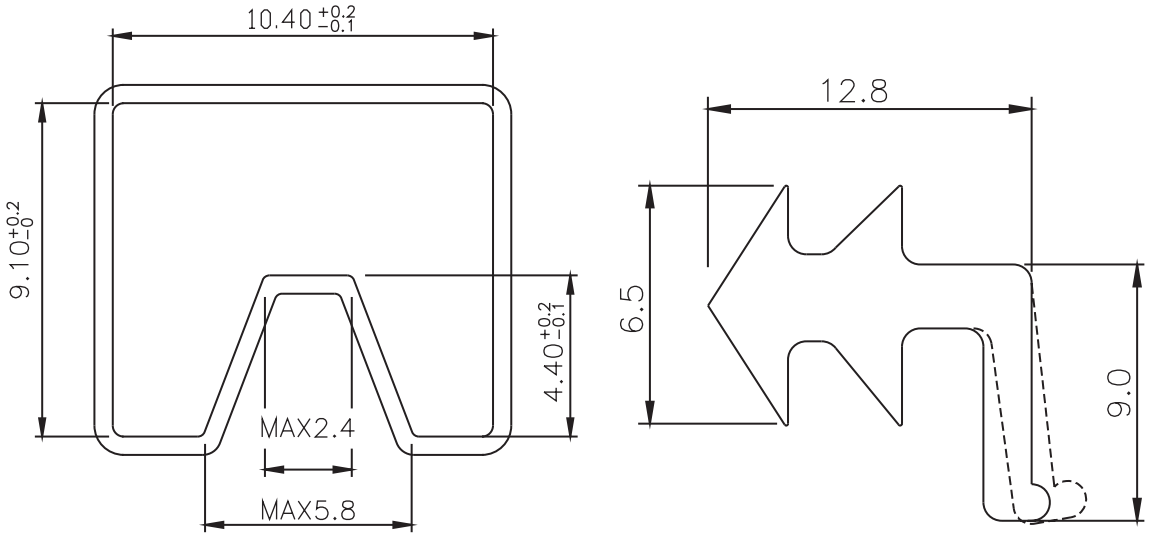
General Tolerance : ±0.2mm

MCRS2



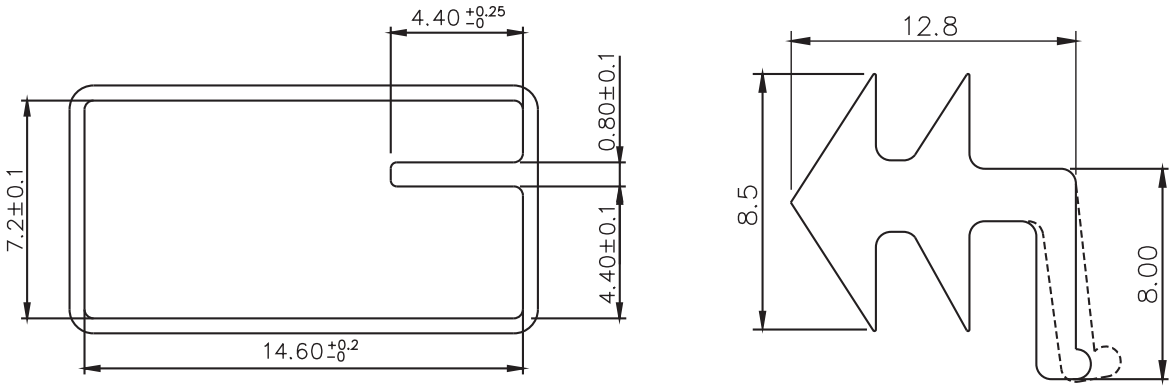
General Tolerance : ±0.2mm

MCRH TUBE



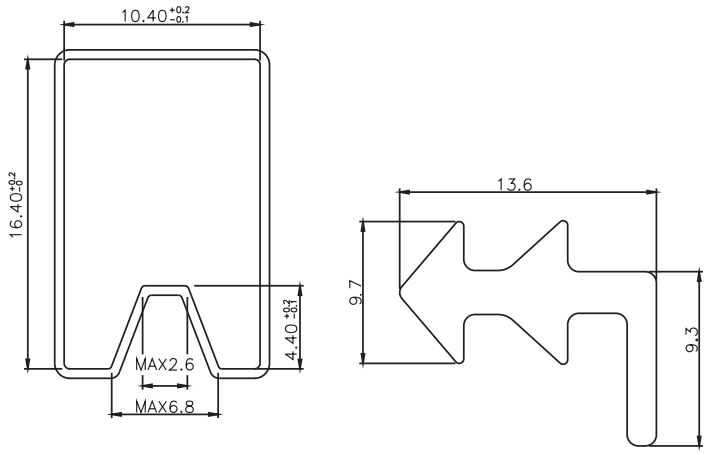
General Tolerance : ±0.2mm

MCRV TUBE



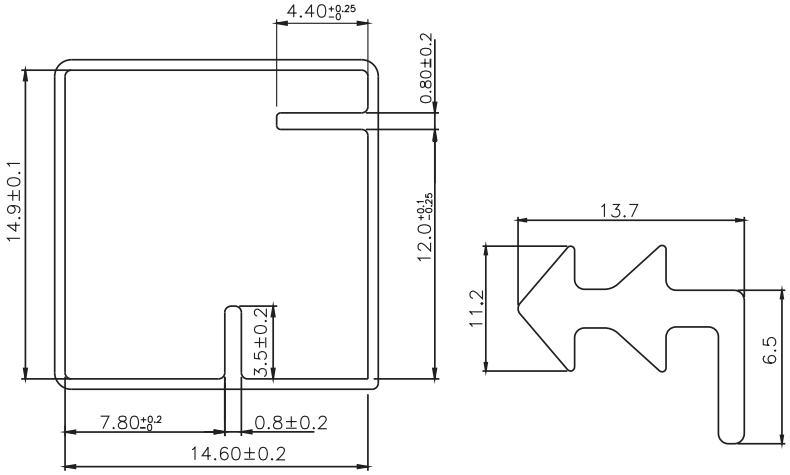
General Tolerance : ±0.2mm

MCRH-H TUBE



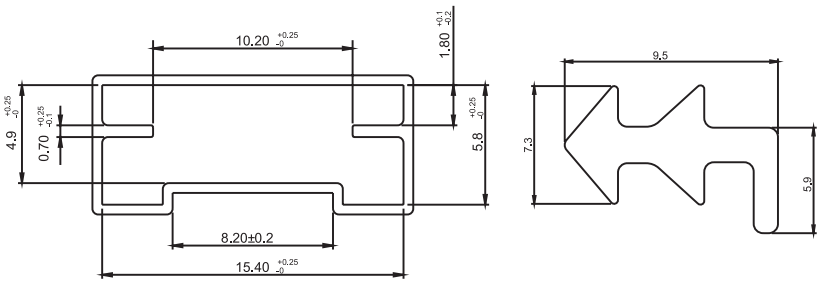
General Tolerance : ±0.2mm

MCRV-H TUBE



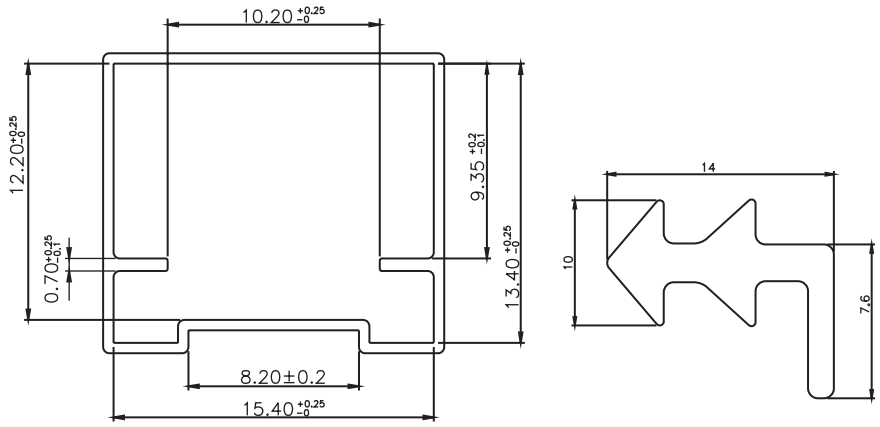
General Tolerance : ±0.2mm

MCRM



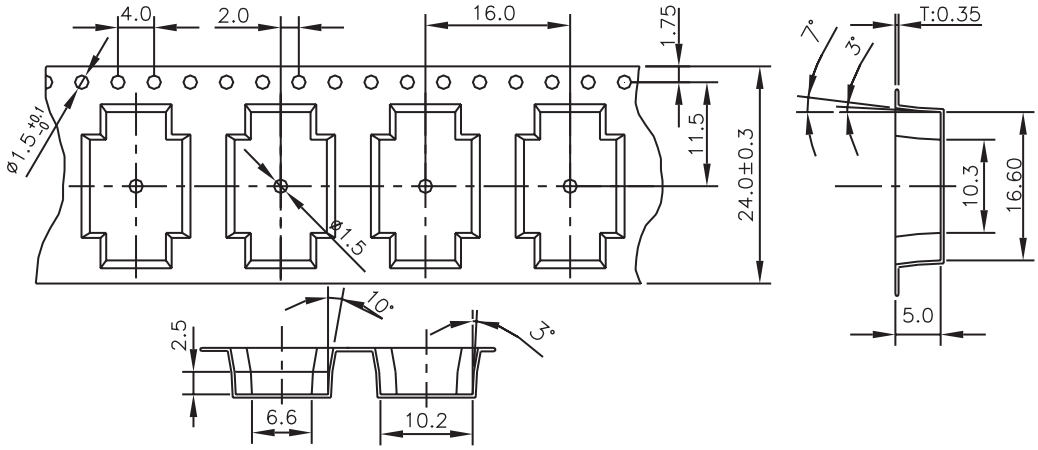
General Tolerance : ±0.2mm

MCRM-H



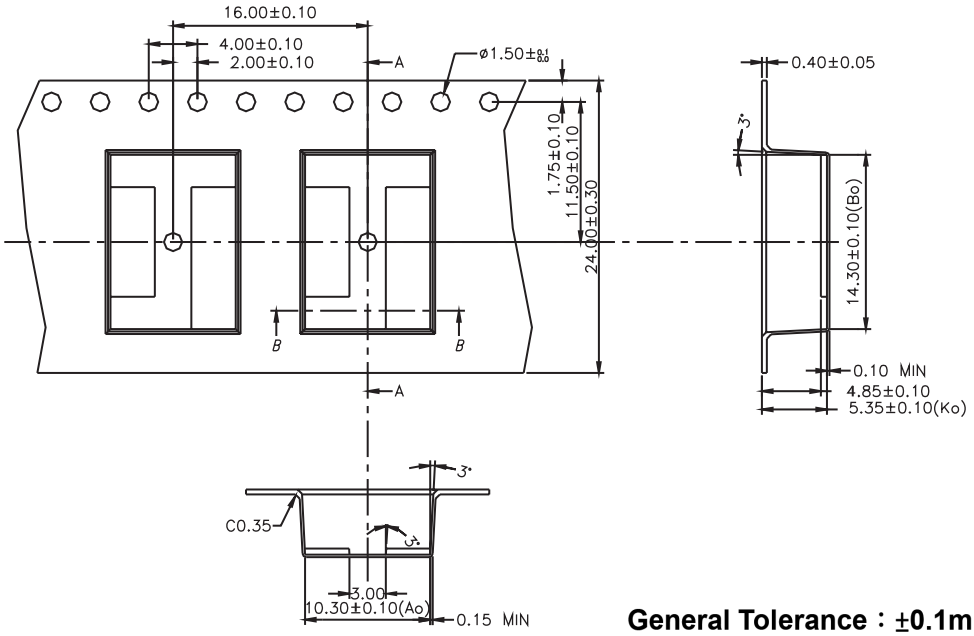
General Tolerance : ±0.2mm

MCRM3 REEL



General Tolerance : ±0.1mm

MCRM4 REEL



General Tolerance：±0.1mm

Part Explanation:

MC R □ □ □ A F - □ □ □ - □ - □

- H=Through Hole
- V=Right Angle
- M=S.M.T.
- S=Kink Pin

Terminals:
4=4x1
3=3x3
2=3x2

□=Recessed Actuator
H=Actuator 7.30mm
M=Actuator 3.20mm

Terminal:Gold Plating

10=10 Steps.
16=16 Steps.

R=Real Codes.

V=RoHS & Lead Free Solderable

Package:
B=Tube

Part Number Table

Description	Part Number
Switch, Rotary, THT, 10×10, 10 POS, 3×2	MCRH2HAF-10R-V-B
Switch, Rotary, THT, 10×10, 16 POS, 3×2	MCRH2HAF-16R-V-B
Switch, Rotary, THT, 10×10, 10 POS, 3×3	MCRH3HAF-10R-V-B
Switch, Rotary, THT, 10×10, 16 POS, 3×3	MCRH3HAF-16R-V-B

Description	Part Number
Switch, Rotary, THT, 10×10, 10 POS, 4×1	MCRH4HAF-10R-V-B
Switch, Rotary, THT, 10×10, 16 POS, 4×1	MCRH4HAF-16R-V-B
Switch, Rotary, THT, 10×10, 10 POS, 3×2	MCRH2MAF-10R-V-B
Switch, Rotary, THT, 10×10, 16 POS, 3×2	MCRH2MAF-16R-V-B
Switch, Rotary, THT, 10×10, 10 POS, 3×3	MCRH3MAF-10R-V-B
Switch, Rotary, THT, 10×10, 16 POS, 3×3	MCRH3MAF-16R-V-B
Switch, Rotary, SMD, 10×10, 10 POS, 3×2	MCRM2HAF-10R-V-B
Switch, Rotary, SMD, 10×10, 16 POS, 3×2	MCRM2HAF-16R-V-B
Switch, Rotary, SMD, 10×10, 10 POS, 3×3	MCRM3HAF-10R-V-B
Switch, Rotary, SMD, 10×10, 16 POS, 3×3	MCRM3HAF-16R-V-B
Switch, Rotary, SMD, 10×10, 10 POS, 4×1	MCRM4HAF-10R-V-B
Switch, Rotary, SMD, 10×10, 16 POS, 4×1	MCRM4HAF-16R-V-B
Switch, Rotary, SMD, 10×10, 10 POS, 3×2	MCRM2MAF-10R-V-B
Switch, Rotary, SMD, 10×10, 16 POS, 3×2	MCRM2MAF-16R-V-B
Switch, Rotary, SMD, 10×10, 10 POS, 3×3	MCRM3MAF-10R-V-B
Switch, Rotary, SMD, 10×10, 16 POS, 3×3	MCRM3MAF-16R-V-B
Switch, Rotary, R/A, 10×10, 10 POS, 3×2	MCRV2AF-10R-V-B
Switch, Rotary, R/A, 10×10, 16 POS, 3×2	MCRV2AF-16R-V-B
Switch, Rotary, R/A, 10×10, 10 POS, 3×3	MCRV3AF-10R-V-B
Switch, Rotary, R/A, 10×10, 16 POS, 3×3	MCRV3AF-16R-V-B
Switch, Rotary, R/A, 10×10, 10 POS, 4×1	MCRV4AF-10R-V-B
Switch, Rotary, R/A, 10×10, 16 POS, 4×1	MCRV4AF-16R-V-B
Switch, Rotary, KINK, 10×10, 10 POS, 3×2	MCRS2AF-10R-V-B
Switch, Rotary, KINK, 10×10, 16 POS, 3×2	MCRS2AF-16R-V-B
Switch, Rotary, KINK, 10×10, 10 POS, 3×3	MCRS3AF-10R-V-B
Switch, Rotary, KINK, 10×10, 16 POS, 3×3	MCRS3AF-16R-V-B
Switch, Rotary, KINK, 10×10, 10 POS, 4×1	MCRS4AF-10R-V-B
Switch, Rotary, KINK, 10×10, 16 POS, 4×1	MCRS4AF-16R-V-B

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