







RoHS Compliant

WCKH2

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) $100m\Omega$ max. (initial)

(b) $200m\Omega$ (final – after test)

 $\begin{array}{ll} \mbox{Insulation Resistance} & : 100 \mbox{M} \mbox{\Omega} \mbox{ min. at 250V DC} \\ \mbox{Voltage Proof} & : 250 \mbox{V AC for 1min.} \end{array}$

Material

Base & Cover : UL 94V - 0 High-temp Thermoplastic

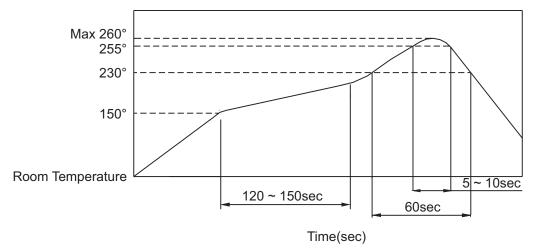
Colour : Black

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).

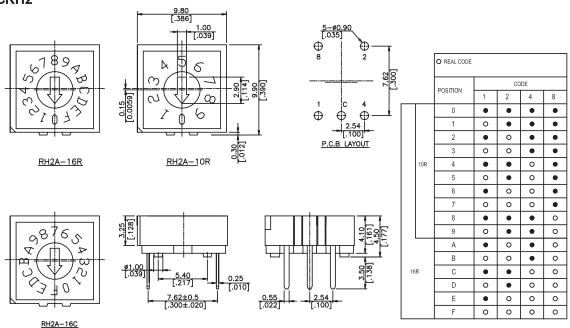
Reflow Soldering : When applying reflow soldering, the peak temperature

of the reflow oven should be set to 260°C max.



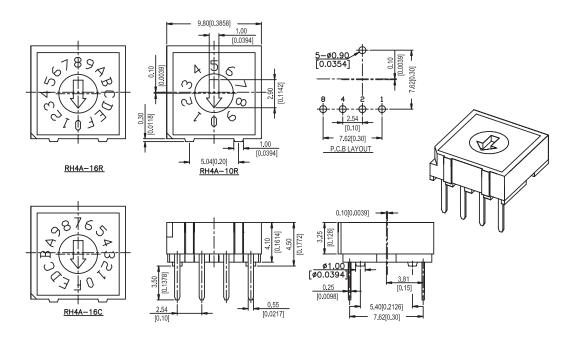






General Tolerance: ±0.2mm

MCRH4

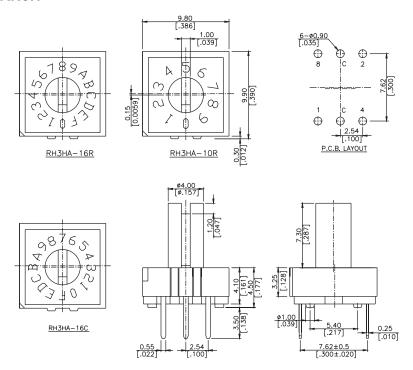


General Tolerance: ±0.2mm



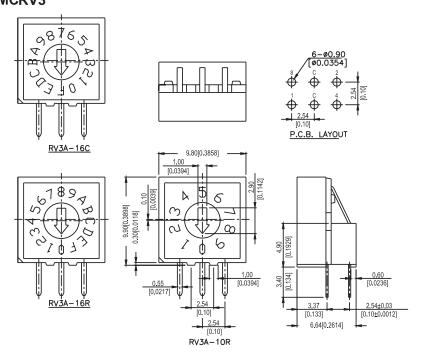


MCRH3H



General Tolerance: ±0.2mm

MCRV3

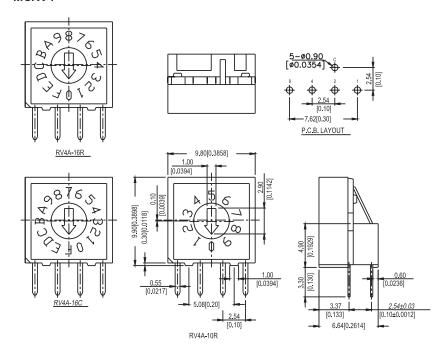


General Tolerance: ±0.2mm



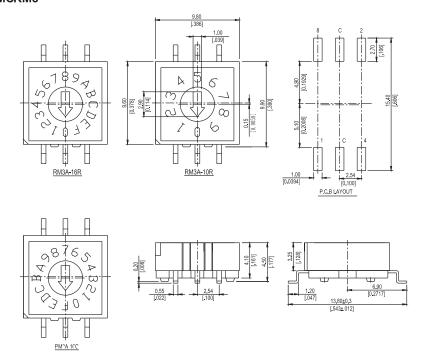


MCRV4



General Tolerance: ±0.2mm

MCRM3

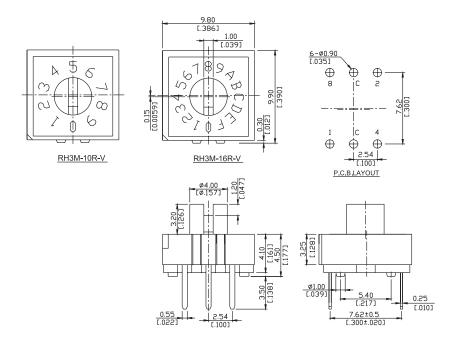


General Tolerance: ±0.2mm



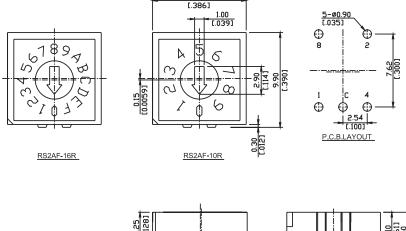


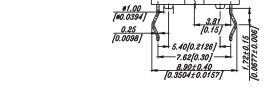
MCRH3M

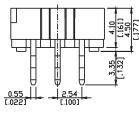


General Tolerance: ±0.2mm

MCRS2





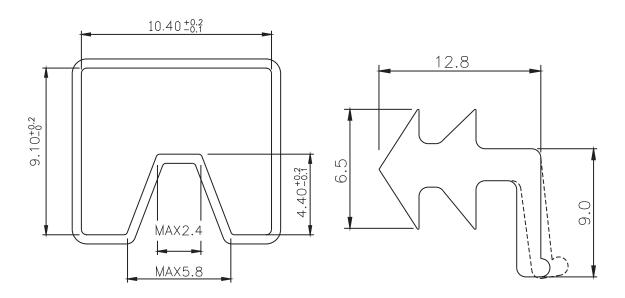


General Tolerance: ±0.2mm



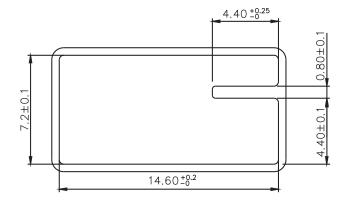


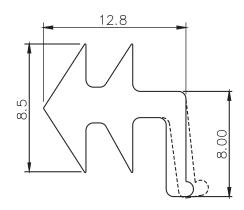
MCRH TUBE



General Tolerance: ±0.2mm

MCRV TUBE



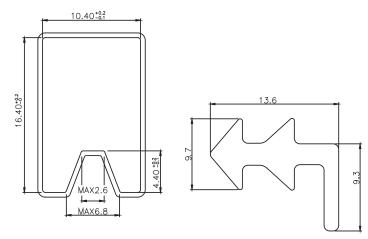


General Tolerance: ±0.2mm



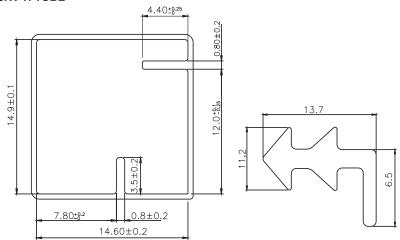


MCRH-H TUBE



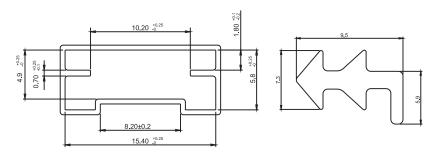
General Tolerance: ±0.2mm

MCRV-H TUBE



General Tolerance : ±0.2mm

MCRM

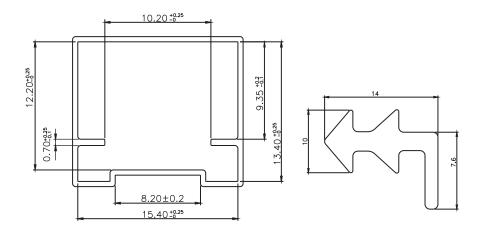


General Tolerance: ±0.2mm



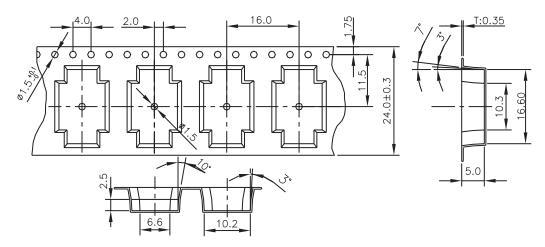


MCRM-H



General Tolerance: ±0.2mm

MCRM3 REEL

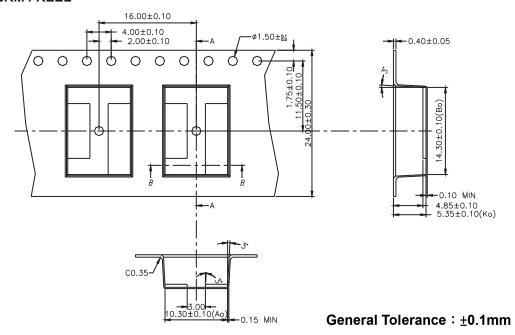


General Tolerance: ±0.1mm

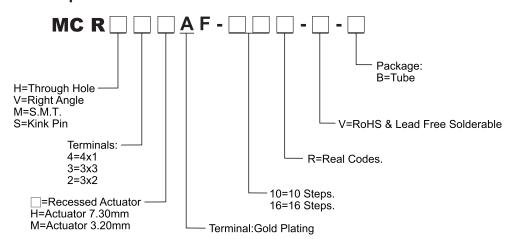




MCRM4 REEL



Part Explanation:



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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