

EMC 日規單相 AC 雙  $\pi$  電源雜訊抑制濾波器

## AC Power Single-Phase Two-Stage EMI Filter (Japan type)



## Product Features

- Suppressing the inrush current when equipment power on
- Increase equipment tolerance to voltage transients
- Bidirectional filtering between power grid and equipment
- Designed with compact size for easy installation.
- Rated currents from 1 to 30A

## 產品特點

- 抑制湧浪電流
- 增強對電壓瞬變的耐受程度
- 電源與電網間雙向濾波
- 尺寸小巧，方便安裝
- 本系列支援最高 30A 的電流

## Technical Specifications

|                             |                                                                 |
|-----------------------------|-----------------------------------------------------------------|
| Rated voltage               | 0~250 VAC                                                       |
| Rated currents              | 1 to 30A @ 40°C                                                 |
| Overload current            | 1.2 × Rated Current (1 min./hour)                               |
| Max Leakage current         | ≤ 5 mA @ 250v/60Hz                                              |
| Temperature range           | -25 to +85 °C                                                   |
| Temperature rise            | ≤ 30°C                                                          |
| High potential test voltage | L → E 2000 VAC / 2250 VDC<br>L → N 2500 VDC                     |
| Insulation Resistance       | L → E ≥ 3000MΩ<br>L → N ≥ 2000MΩ                                |
| Certified to                | UL 1283, EN55011, EN55022, CISPR 16-2-3,<br>EN/IEC 60950, 61000 |

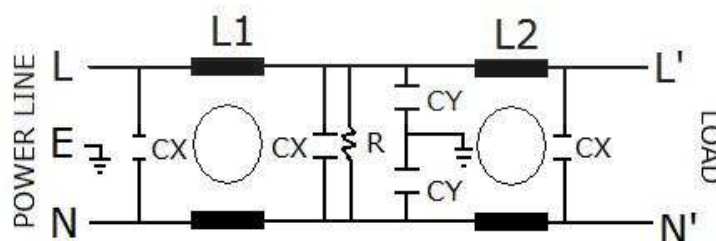
## Approvals &amp; Compliances



## Applications

- Electrical and electronic equipment
- Datacom equipment
- Building automation
- Industrial applications
- Switch Mode Power Supply

## Typical Electrical Schematic



AC circuit (Two-stage)

AC 電源濾波電路(雙  $\pi$  迴路)

## Filter Selection Table

| Model           | Rated current<br>@ 40°C<br>[A] | Rated voltage<br>[VAC] | Resistance<br>L-L'<br>( ±15% )<br>[mΩ] | Power loss<br>( total ±15% )<br>[W] |
|-----------------|--------------------------------|------------------------|----------------------------------------|-------------------------------------|
| HUA-9010-L101-□ | 1                              | 0~250                  | 25                                     | 0.25                                |
| HUA-9010-L103-□ | 3                              |                        | 28                                     | 0.252                               |
| HUA-9010-L106-□ | 6                              |                        | 23                                     | 0.828                               |
| HUA-9010-L110-□ | 10                             |                        | 14.2                                   | 1.42                                |
| HUA-9010-L115-□ | 15                             |                        | 13                                     | 2.925                               |
| HUA-9010-L120-□ | 20                             |                        | 12                                     | 4.8                                 |
| HUA-9010-L130-□ | 30                             |                        | 11                                     | 9.9                                 |

## Product Selector

HUA – 9010 – L1□ - □

Outer casing type (Please refer to Dimensional Figures below)

外殼形式 (請參考下方尺寸圖)

1 to 30 A Rated current (額定電流)

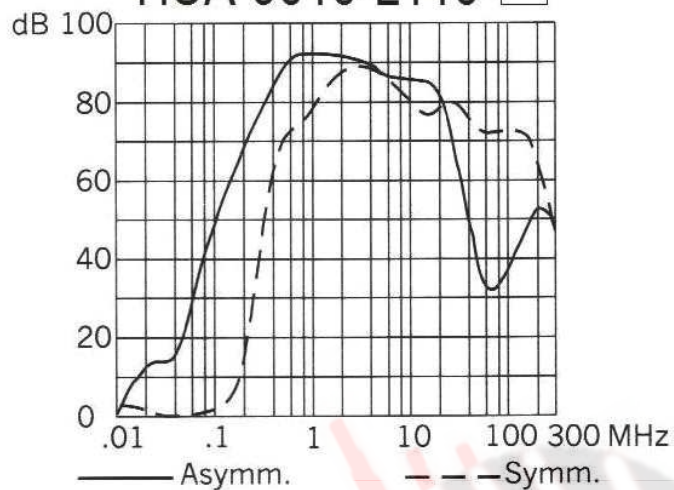
# Insertion Loss (衰減值)

HUA-9010-L101- ☐

HUA-9010-L103- ☐

HUA-9010-L106- ☐

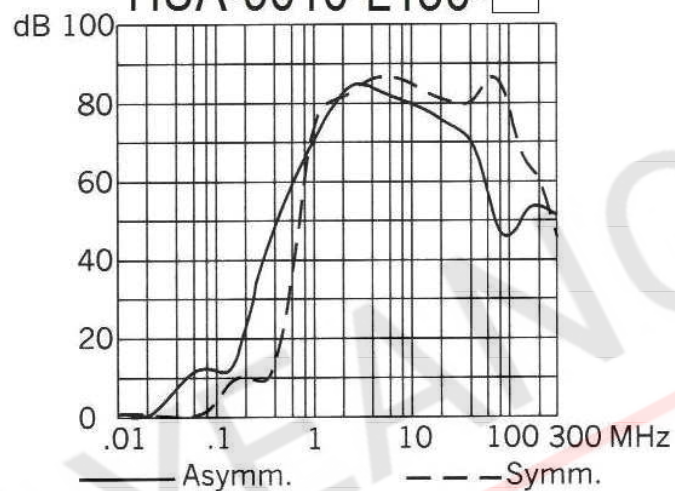
HUA-9010-L110- ☐



HUA-9010-L115- ☐

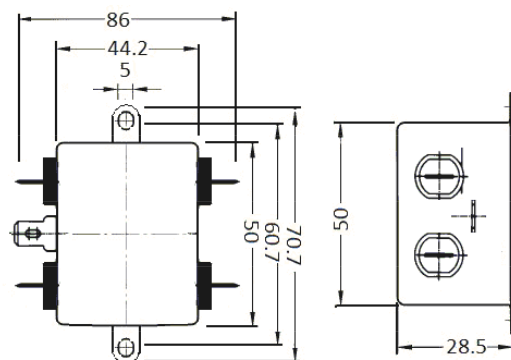
HUA-9010-L120- ☐

HUA-9010-L130- ☐

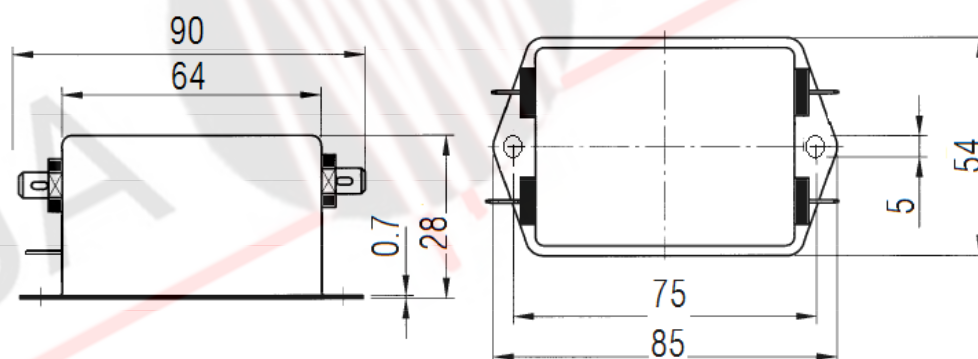


Dimensional Figures (尺寸圖) (Unit : mm)

TC1

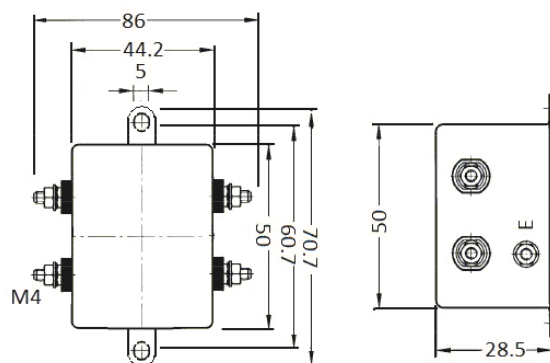


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Dimensional Figures (尺寸圖) (Unit : mm)

SC1



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