

EMC 單相 LED 電源雜訊抑制濾波器 (AC, DC)

LED Single-phase Power EMC Filter (AC,DC)



Product Features

- Suppressing the inrush current when equipment power on
- Increase LED equipment tolerance to voltage transients
- Bidirectional filtering between power grid and equipment
- Specifically designed for LED equipment
- Rated currents from 1 to 20A

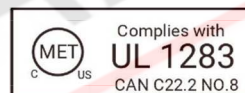
產品特點

- 抑制湧浪電流
- 增強 LED 對電壓瞬變的耐受程度
- 電源與電網間雙向濾波
- 特別為 LED 設備所設計
- 本系列支援最高 20A 的電流

Technical Specifications

Rated voltage	0~80 VDC or 0~250 VAC
Rated currents	1 to 20A @ 40°C
Overload current	1.2 × Rated Current (1 min./hour)
Max Leakage current	≤ 2 mA @ 80V/0Hz or 250v/60Hz
Temperature range	-25 to +85 °C
Temperature rise	≤ 30°C
High potential test voltage	L → E 2000 VAC / 2250 VDC L → N 2500 VDC
Insulation Resistance	L → E ≥ 3000MΩ L → N ≥ 2000MΩ
Certified to	UL 1283, EN55011, EN55022, CISPR 16-2-3, EN/IEC 60950, 61000

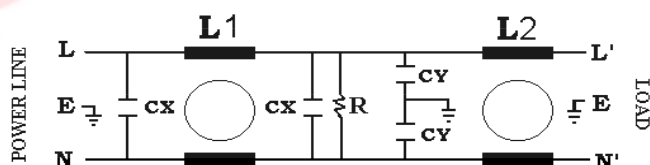
Approvals & Compliances



Applications

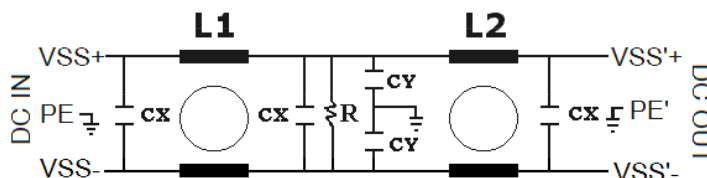
- LED equipment

Typical Electrical Schematic



AC circuit (Two-stage)

AC 電源濾波電路(雙 π 迴路)



DC circuit (Two-stage)

DC 電源濾波電路(雙 π 迴路)

Filter Selection Table

AC:

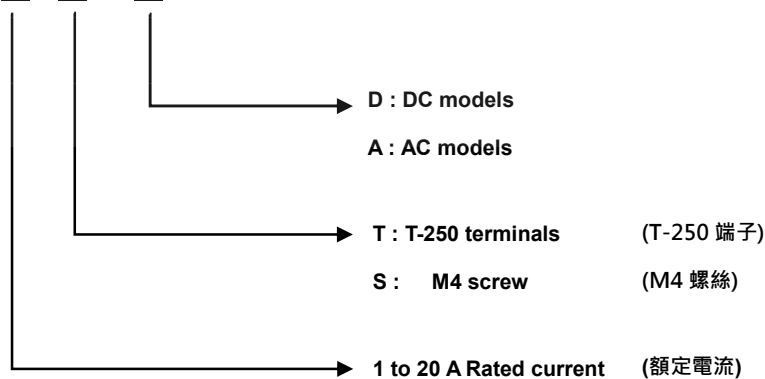
Model	Rated current @ 40°C [A]	Rated voltage [VAC]	Resistance L-L' (±15%) [mΩ]	Power loss (total ±15%) [W]
HUA-9010-L103-□L-A	3	0~250	28	0.252
HUA-9010-L106-□L-A	6		23	0.828
HUA-9010-L110-□L-A	10		14.2	1.42
HUA-9010-L120-□L-A	20		5.8	2.32

DC:

Model	Rated current @ 40°C [A]	Rated voltage [VDC]	Resistance L-L' (±15%) [mΩ]	Power loss (total ±15%) [W]
HUA-9010-L103-□L-D	3	0~80	30	0.27
HUA-9010-L106-□L-D	6		25	0.9
HUA-9010-L110-□L-D	10		16	1.6
HUA-9010-L120-□L-D	20		8	2.56

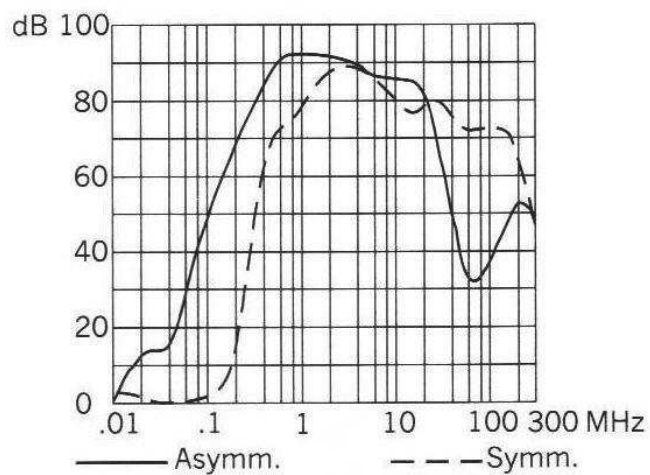
Product Selector

HUA – 9010 – L1□ - □L - □

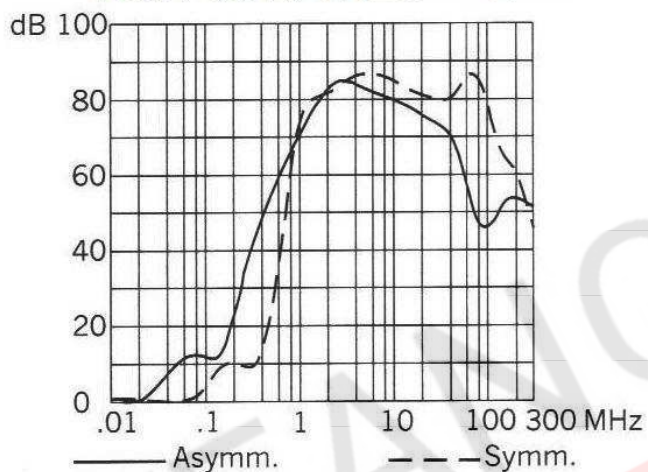


Insertion Loss (衰減值)

HUA-9010-L103-□ L-□
HUA-9010-L106-□ L-□

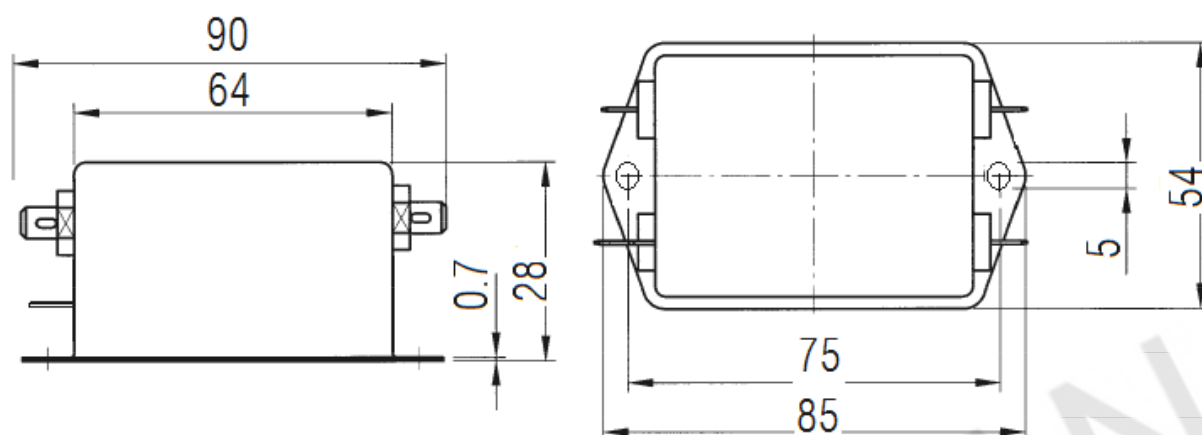


HUA-9010-L110-□ L-□
HUA-9010-L115-□ L-□
HUA-9010-L120-□ L-□



Dimensional Figures (尺寸圖) (Unit : mm)

TL



SL

