

EMI 日規單相 DC 電源雜訊抑制濾波器

DC Power EMC 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
- Effectively reduce the ripple voltage of DC power
- Rated currents from 1 to 20A

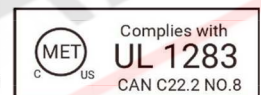
產品特點

- 抑制湧浪電流
- 增強設備對電壓瞬變的耐受程度
- 電源與電網間雙向濾波
- 有效地減少直流電源中的電壓漣波
- 本系列支援最高 20A 的電流

Technical Specifications

Rated voltage	0~80 VDC
Rated currents	1 to 20A @ 40°C
Overload current	1.2 × Rated Current (1 min./hour)
Max Leakage current	≤ 5 mA @ 80V/ 0Hz
Temperature range	-25 to +85 °C
Temperature rise	≤ 30°C
High potential test voltage	L → E 1500 VAC / 2250 VDC L → L 1500 VDC
Insulation Resistance	L → E ≥ 3000MΩ L → L ≥ 2000MΩ
Certified to	UL 1283, EN55011, EN55022, CISPR 16-2-3, EN/IEC 60950, 61000

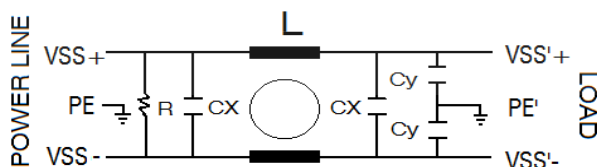
Approvals & Compliances



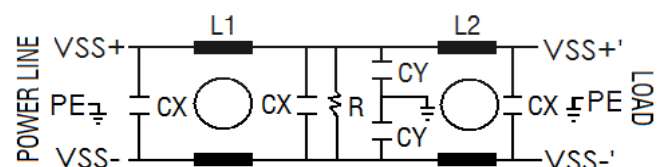
Applications

- PLC controller
- DC motors
- Medical equipment
- Datacom equipment
- Electrical and electronic equipment

Typical Electrical Schematic



Single-stage (單π迴路)



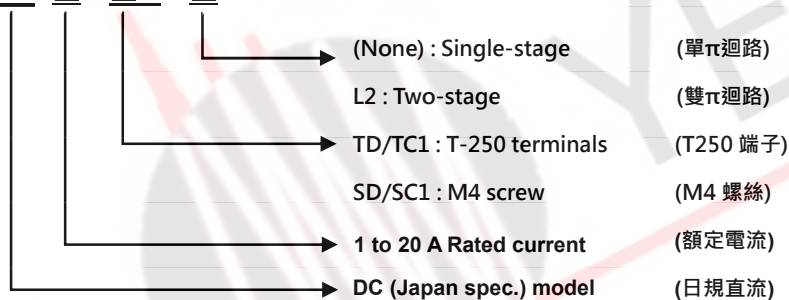
Two-stage (雙π迴路)

Filter Selection Table

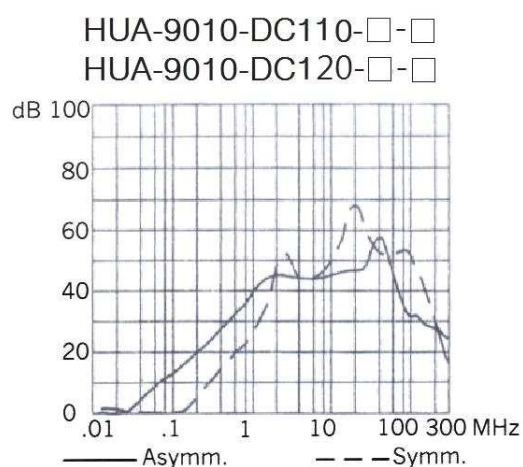
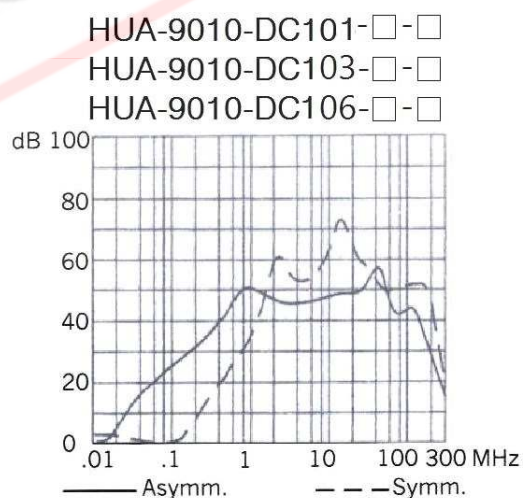
Model	Rated current @ 40°C [A]	Rated voltage [VDC]	Resistance L-L' (±15%) [mΩ]	Power loss (total ±15%) [W]	Dimensional figures
HUA-9010-DC101-□D-□	1	0~80	24	0.024	TD
HUA-9010-DC103-□D-□	3		24	0.216	SD
HUA-9010-DC106-□D-□	6		23	0.828	TC1
HUA-9010-DC110-□D-□	10		14.2	1.42	SC1
HUA-9010-DC120-□D-□	20		5.8	2.32	

Product Selector

HUA – 9010 - DC1□ - □D - □

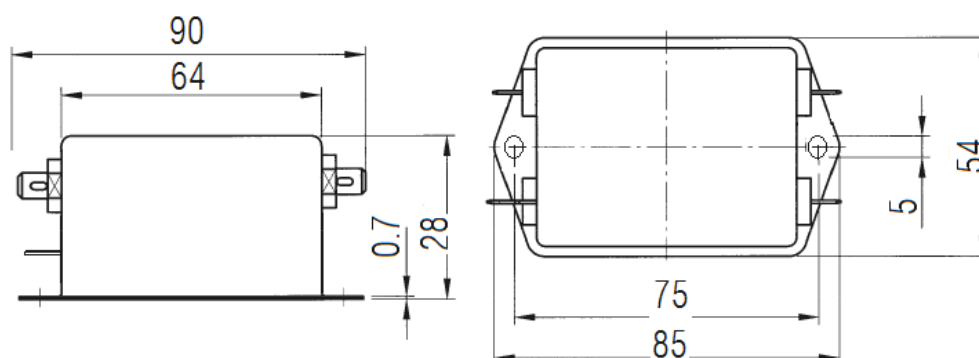


Insertion Loss (衰減值)

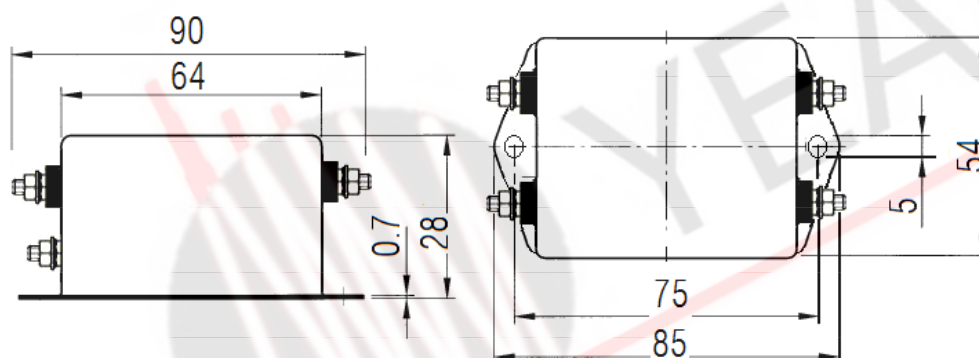


Dimensional Figures (尺寸圖) (Unit : mm)

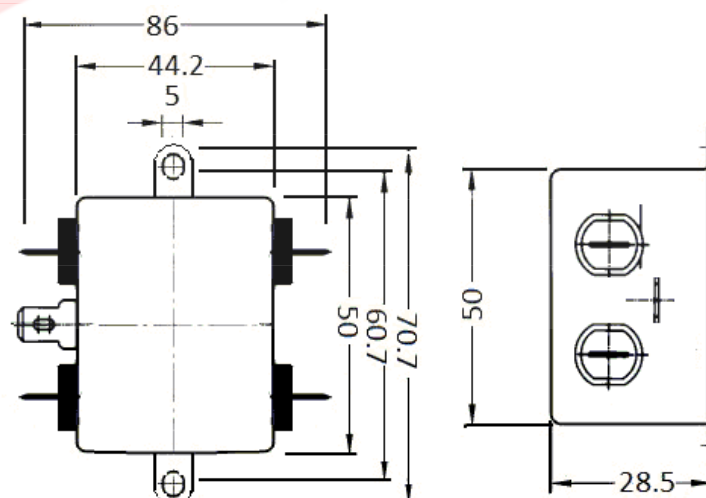
TD



SD



TC1



Dimensional Figures (尺寸圖) (Unit : mm)

SC1

