

DU0200 Series SWITCHING POWER SUPPLY

DU0200 Series

單路輸出 Single output

輸出功率 Output wattage: 200W

AC-DC 工業標準電源

- 全電壓輸入範圍 Universal AC input
- PFC 功能 with PFC
- 遠端電壓補償功能 with Remote sensing
- 遠端 ON/OFF 控制功能 with Remote ON/OFF
- 符合低電壓指令 Accord with CE



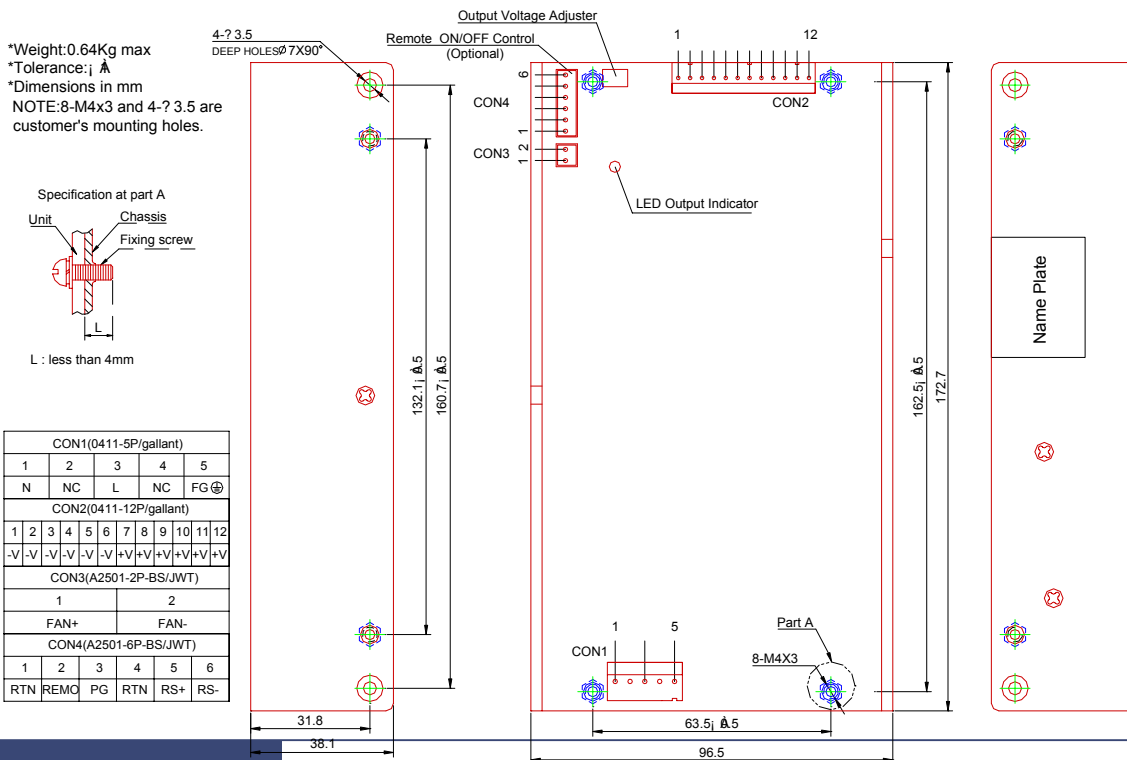
DU0200 系列電源為公司自行研製的工業標準品系列。

型號命名 Ordering information

DUO 200 - 5
 ① ② ③

- ① 系列名稱 Series name
- ② 輸出功率 Output Wattage: 200-200W
- ③ 輸出電壓 Output voltage: 5-5V, 12-12V, 15-15V...

外觀結構 External view



技術規範 Specifications

輸入 INPUT	型號 MODEL	DU0200-5	DU0200-12	DU0200-15	DU0200-24	DU0200-48	
	電壓 VOLTAGE [V]	AC85~264 1φ or DC120~340					
	電流 CURRENT [A]	AC100V	1.4typ				
		AC200V	0.7typ				
	頻率 FREQUENCY [Hz]	50/60 (47~63)					
	效率 EFFICIENCY [%]		75typ	75typ	78typ	81typ	81typ
	功率因數 POWER FACTOR	AC100V	0.99typ (Io=100%)				
		AC200V	0.95typ (Io=100%)				
	浪湧電流 INRUSH CURRENT [A]	AC100V	20typ (Io=100%) (At cold state)				
		AC200V	40typ (Io=100%) (At cold state)				
漏電流 LEAKAGE CURRENT [mA]	1.5max (60Hz, according to UL, CSA, VDE AND DEN-AN)						
輸出 OUTPUT	電壓 VOLTAGE [V]	5	12	15	24	48	
	電流 CURRENT RANGE (Convection 自然冷) [A]	22	17	13	8.3	4.2	
	電流 CURRENT RANGE (Forced air 外置風冷) [A]	30	17	13	8.3	4.2	
	線性調整率 LINE REGULATION [mv]	20max	48max	60 max	96 max	192 max	
	負載調整率 LOAD REGULATION [mv]	100 max	100max	120 max	150 max	240 max	
	波紋 RIPPLE [mvp-p]	0to+50°C*1	100 max	120max	120 max		150 max
		-10~0°C*1	70 max	160max	160 max	160 max	200 max
	波紋噪音 RIPPLE NOISE [mvp-p]	0to+50°C*1	60max	150max	150 max	250 max	400 max
		-10~0°C*1	80 max	180max	180 max	180 max	600 max
	溫度調整 TEMPERATURE REGULATION [mv]	0to+50°C	50 max	120max	150 max	240 max	480 max
		-10~0°C	60 max	150max	180 max	290 max	600 max
	漂移 DRIFT [mv] *2	20 max	48max	60 max	96 max	192 max	
	啟動時間 START-UP TIME [ms]	500 max (ACIN 85V, Io=100%)					
	保持時間 HOLD-UP TIME [ms]	20typ (Io=100%)					
	輸出電壓調整範圍 OUTPUT VOLTAGE ADJUSTMENT RANGE [V]	-10% ~ +10%					
電路保護 PROTECTION CIRCUIT AND OTHERS	過流保護 OVERCURRENT PROTECTION	超過額定電流 105%動作自動恢復 Works over 105% of rating and recovers automatically					
	過壓保護 OVERVOLTAGE PROTECTION	在額定電壓的 115~140%動作 Works at 115~140% of rating					
	工作指示 OPERATION INDICATION	發光二極體 (綠) LED (Green)					
	遠端補償 REMOTE SENSING	已提供 Provided					
	遠端控制 REMOTE ON/OFF	可選項 Optional					
	電源正常 POWER GOOD	開機時, PG 信號先於輸出信號 100~500ms 為高電平; 關機時, PG 信號先於輸出信號至少 1ms 為低電平 This signal will go high 100~500ms after the output reaches the regulation limit. It goes low at least 1 ms before loss of regulation					
絕緣 ELECTRICAL-LY ISOLATED	輸入-輸出, 搖控開關*3 INPUT-OUTPUT, RC*3	AC3, 000V 1minute, Cutoff current=20mA, DC500V 50MΩ min. (At room temperature)					
	輸入-地 INPUT-FG	AC2, 000V 1minute, Cutoff current=20mA, DC500V 50MΩ min. (At room temperature)					
	輸出, 搖控開關-地*3 OUTPUT, RC-FG*3	AC500V 1minute, Cutoff current=100mA, DC500V 50MΩ min. (At room temperature)					
	輸出-搖控開關*3 OUTPUT-RC*3	AC100V 1minute, Cutoff current=100mA, DC100V 10MΩ min (At room temperature)					
環境 ENVIRON- MENT	工作環境 OPERATING TEMP, HUMID AND ALTITUDE	-10to+65°C, 20~90% RH (Non condensing) (Refer to DERATING CURVE), 3, 000m (10, 000feet)max					
	貯存環境 STORAGE TEMP, HUMID AND ALTITUDE	-20to+75°C, 20~90% RH (Non condensing), 9, 000m (30, 000feet)max					
	振動 VIBRATION	10~55HZ, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis					
	衝擊 IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis					
安全標準 SAFETY AND NOISE REGULATIONS	安全 SAFETY	Recognized UL1950; approved EN60950, VDE0160; certified CSA C22.2 No. 234, complies with DEN-AN and IEC60950					
	電磁幹擾 LINE CONDUCTED RF VOLTAGE	Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B.					
	功率因數和諧波電流抑制 HARMONIC ATTENUATOR	Complies with IEC61000-3-2.					

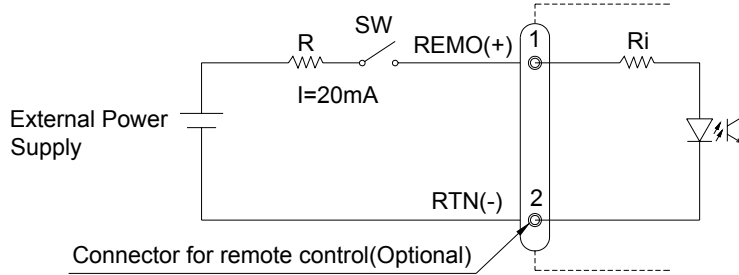
*1: 用 20MHZ 示波器測試波紋噪音 (相當於 KEISKU-GIKEN:RM101).

*2: 漂移是指有 25 攝氏度環境下, 經半小時工作預熱, 在 8 小時周期內直流輸出電壓的變化 (輸入電壓保持固定, 且在額定輸入輸出條件下) .

*3 : 當遙控開關功能加上時是適用的.

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遙控 Operating example of Remote control

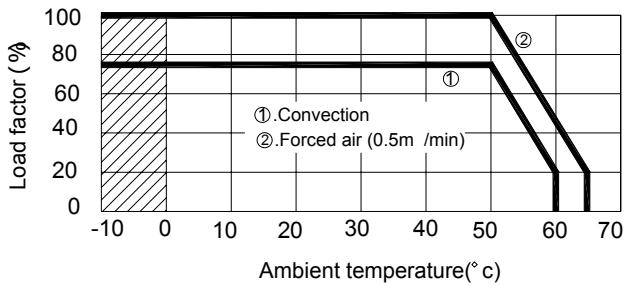


Using Terminal	Between REMO and RTN	Output
Connector for Remote control	SW ON (3~8V)	ON
1st Pin ⊕ 2st Pin ⊖	SW OFF (0~ 0.5V)	OFF

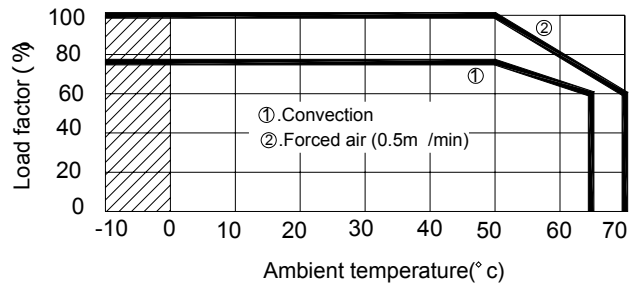
降額曲線 Derating curve

(1). 輸出電壓 Output voltage : 5V

(2). 輸出電壓 Output voltage : The other



*The shadow indicates the region where different specifications for ripple noise should be used.



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遠端補償 Remote sensing

(1) 不使用時 when remote sensing is not used

(2) 使用時 when remote sensing is used

