

TDIM150 Series

單路輸出 Single output

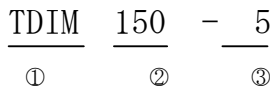
輸出功率 Output wattage :150W

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

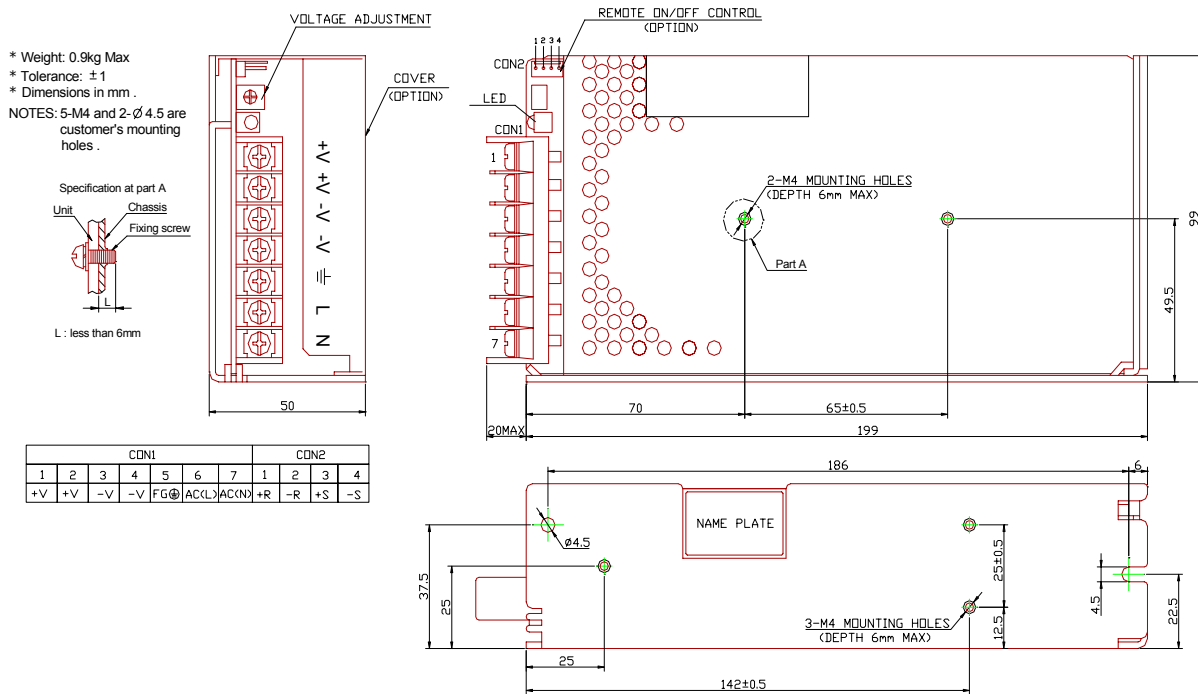


型號命名 Ordering information



- ① 系列名稱 Series name
- ② 輸出功率 Output wattage:150-150W
- ③ 輸出電壓 Output voltage: 5-5V, 12-12V, 15-15V...

外觀結構 External view



技術規範 Specifications

TDIM

輸入 INPUT	型號 MODLE	TDIM150 -5	TDIM150 -12	TDIM150 -15	TDIM150-24	TDIM150-48	
	電壓 VOLTAGE [V]	AC85~264 1φ or DC120~340					
	電流 CURRENT [A]	ACIN100V	1.4 typ		2.0 typ		
		ACIN200V	0.7typ		1.0 typ		
	頻率 FREQUENCY [Hz]	50/60 (47~63)					
	效率 EFFICIENCY [%]	75typ	78typ	80typ	81typ	81typ	
	功率因數 POWER FACTOR	ACIN100V	0.99typ (Io=100%)				
		ACIN200V	0.95typ (Io=100%)				
	浪湧電流 INRUSH CURRENT [A]	ACIN100V	20typ (Io=100%) (At cold state)				
		ACIN200V	40typ (Io=100%) (At cold state)				
漏電流 LEAKAGE CURRENT [mA]	1.0max (60Hz, according to UL, CSA, VDE AND DEN-AN)						
輸出 OUTPUT	電壓 VOLTAGE [V]	5	12	15	24	48	
	電流 CURRENT [A]	30	13	10	6.5	3.3	
	線性調整率 LINE REGULATION [mv]	20max	48 max	60 max	96 max	192 max	
	負載調整率 LOAD REGULATION [mv]	40 max	100 max	120 max	150 max	240 max	
	紋波 RIPPLE [mvp-p]	0to+50°C*1	80 max	120 max	120 max	120 max	150 max
		-10~0°C*1	140 max	160 max	160 max	160 max	200 max
	紋波噪音 RIPPLE NOISE [mvp-p]	0to+50°C*1	120 max	150 max	150 max	150 max	400 max
		-10~0°C*1	160 max	180 max	180 max	180 max	600 max
	溫度調整 TEMPERATURE REGULATION [mv]	0 to +50°C	50 max	120 max	150 max	240 max	480 max
		-10~0°C	60 max	150 max	180 max	290 max	600 max
	漂移 DRIFT [mv] *2	20 max	48 max	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 ADJ. OUTPUT VOLTAGE 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					
絕緣 ELECTRICAL- LY ISOLATED	輸入-輸出. 搖控開關 INPUT-OUTPUT. RC	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 OUTPUT. RC-FG	AC500V 1minute, Cutoff current=100mA, DC500V 50MΩ min. (At room temperature)					
	輸出-搖控開關 OUTPUT-RC	AC100V 1minute, Cutoff current=100mA, DC100V 10MΩ min. (At room temperature)					
環境 ENVIRON- MENT	工作環境 OPERATING TEMP, HUMID AND ALTITUDE	-10 to +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	-20 to +75°C, 20~90% RH (Non condensing), 9,000m (3,000feet) 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.					

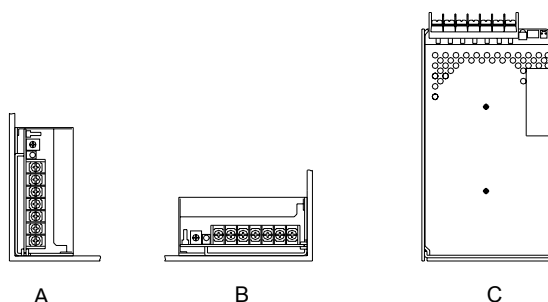
*1: 用 20MHZ 示波器測試紋波噪音 (相當於 KEISKU-GIKEN:RM101).

*2: 漂移是指在 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).

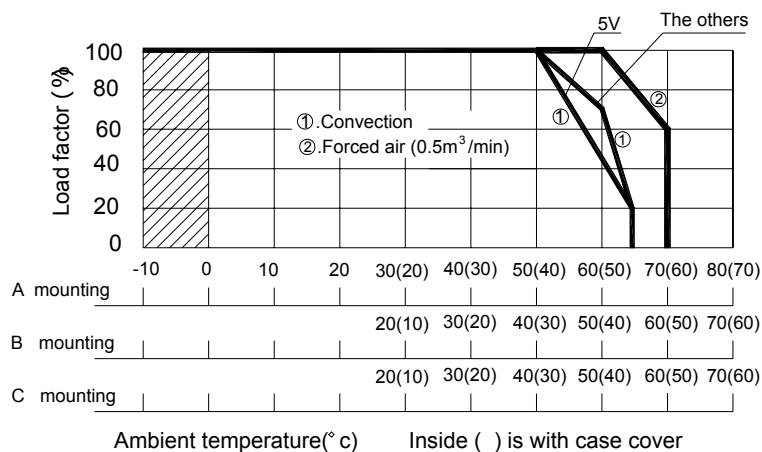
*加上蓋工作時需降額, 電源冷卻方法為自然冷卻.

降額 Derating

(1) 安裝方式 Mounting method



(2) 降額曲線 Derating curve

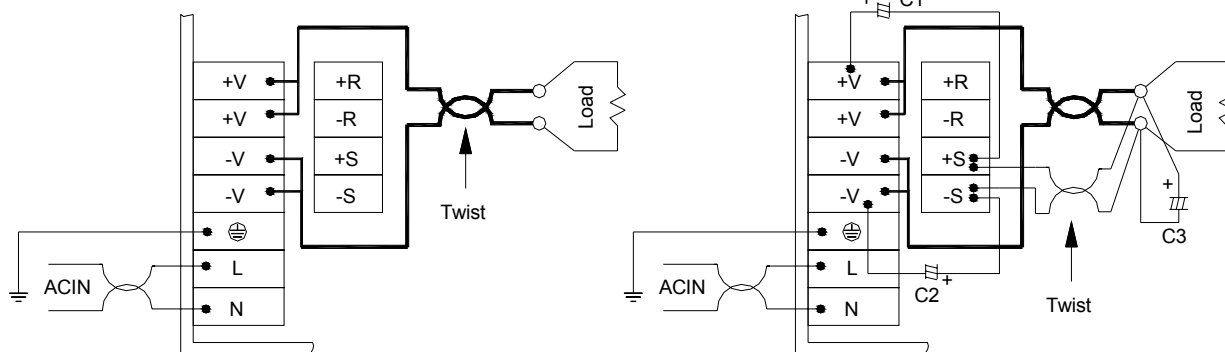


*The shadow indicates the region where different specifications for ripple noise should be used.

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



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。

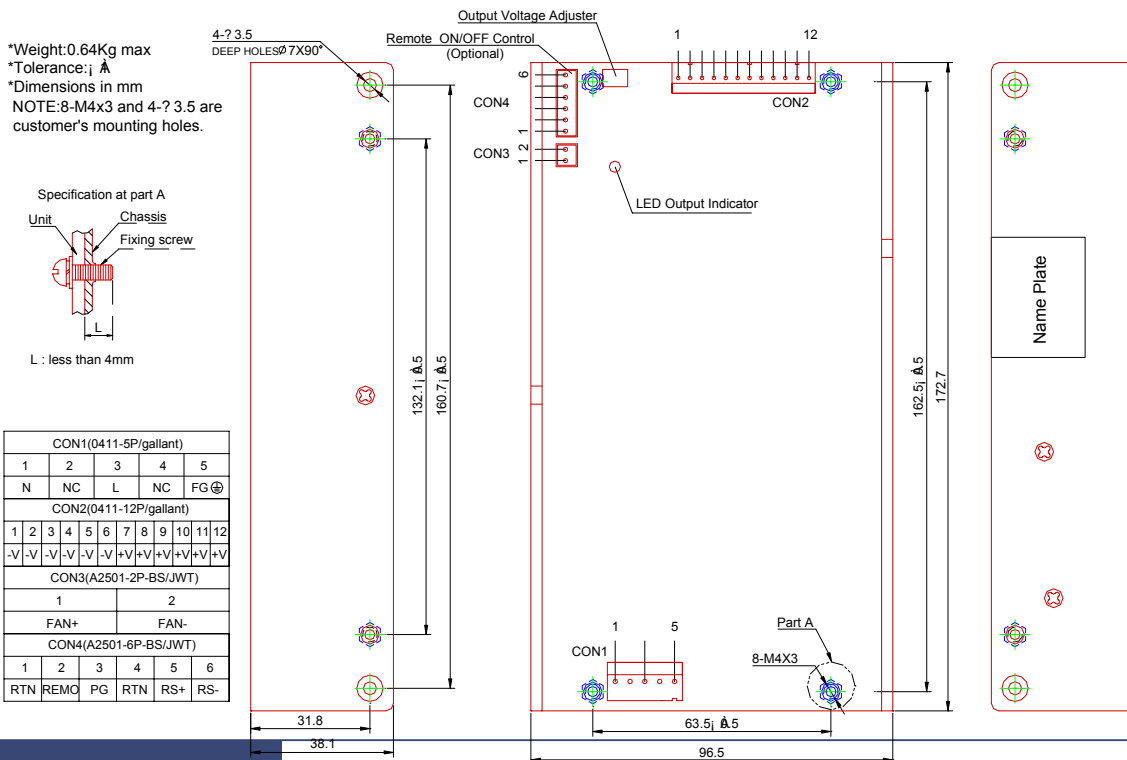
型號命名 Ordering information

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.					

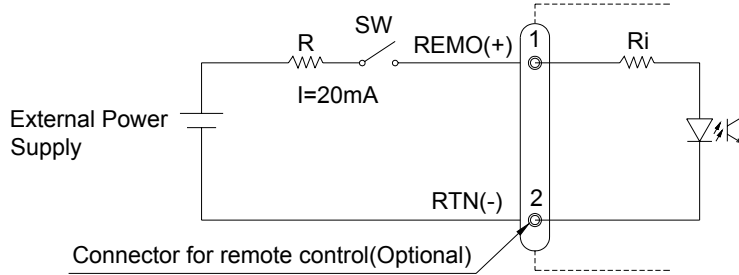
*1: 用 20MHZ 示波器測試波紋噪音 (相當於 KEISKU-GIKEN:RM101).

*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.

DU0200 Series SWITCHING POWER SUPPLY

遙控 Operating example of Remote control

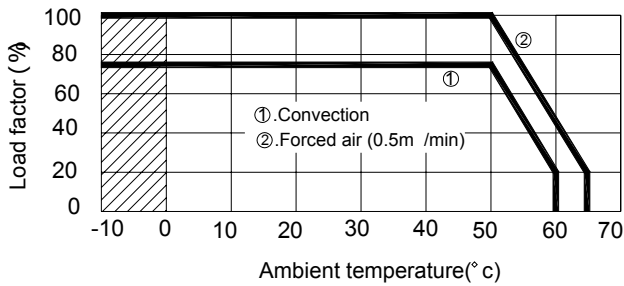


Using Terminal	Between REMO and RTN	Output
Connector for Remote control	SW ON (3~8V)	ON
1st Pin ⊕ 2st Pin ⊖	SW OFF (0~ 0.5V)	OFF

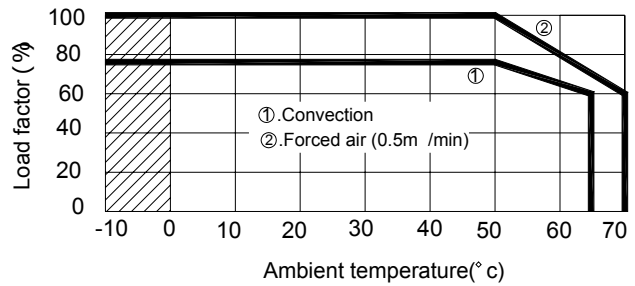
降額曲線 Derating curve

(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

