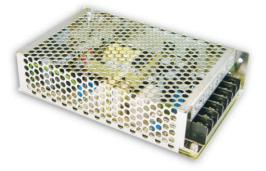


## RD-85 series



Features :

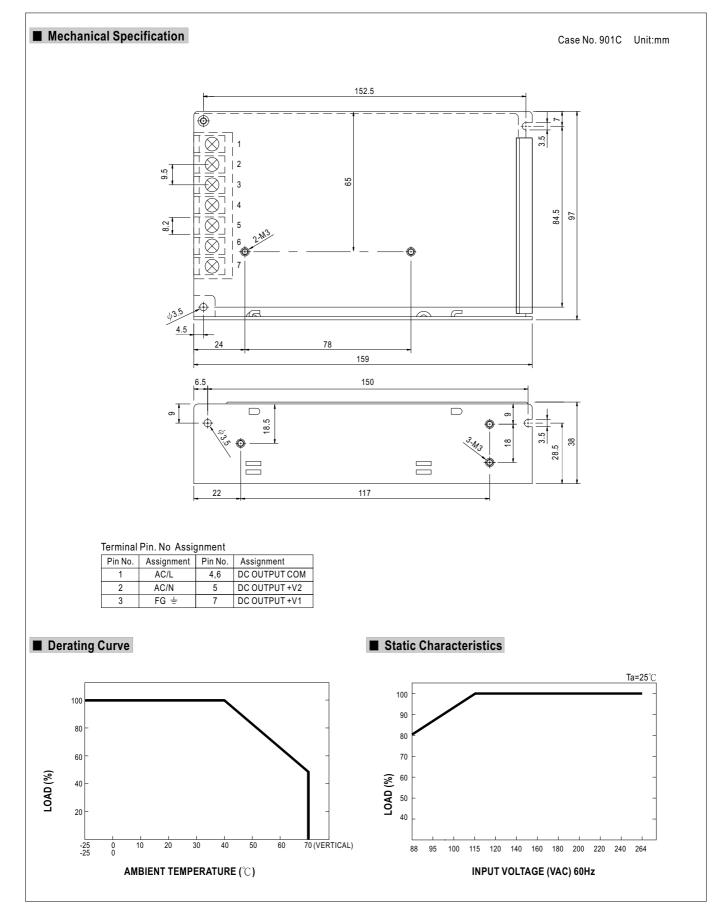
- Universal AC input / Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- \* All using 105  $^\circ\!\!\mathbb{C}$  long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to  $70^\circ\!\mathrm{C}$
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



MODEL		RD-85A		RD-85B				
	OUTPUT NUMBER	CH1	CH2	CH1	CH2			
OUTPUT	DC VOLTAGE	5V	12V	5V	24V			
	RATED CURRENT	8A	4A	8A	2A			
	CURRENT RANGE Note.6	2 ~ 10A	0.3 ~ 5A	2 ~ 10A	0.3 ~ 2.5A			
	RATED POWER Note.6			88W				
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	120mVp-p			
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V				
	VOLTAGE TOLERANCE Note.3	±2.0%	±5.0%	±2.0%	±5.0%			
	LINE REGULATION Note.4	±0.5%	±1.0%	±0.5%	±1.0%			
	LOAD REGULATION Note.5	±1.0%	±3.0%	±1.0%	±3.0%			
	SETUP, RISE TIME	500ms, 20ms/230VAC 120	0ms, 30ms/115VAC at full load					
	HOLD TIME (Typ.)	100ms/230VAC 18ms/115VAC at full load						
	VOLTAGE RANGE	88 ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)						
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY(Typ.)	78% 80%						
INPUT	AC CURRENT (Typ.)	2.5A/115VAC 1.5A/230VAC						
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC						
	LEAKAGE CURRENT	<2mA/240VAC						
	OVER LOAD	110 ~ 150% rated output power						
PROTECTION		Protection type : Hiccup mode, recovers automatically after fault condition is removed CH1: 5.75 ~ 6.75V						
	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	WORKING TEMP.	-25 ~ +70°C (Refer to output load derating curve)						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85 °C , 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C) on +5V output						
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes						
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved						
	WITHSTAND VOLTAGE	I/P-0/P:3KVAC I/P-FG:1.5KVAC 0/P-FG:0.5KVAC						
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC						
EMC	EMI CONDUCTION & RADIATION							
(Note 7)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3						
	EMS IMMUNITY		4,5,6,8,11; ENV50204, EN61000	-6-2 (EN50082-2) heavy industry	/ level criteria A			
	MTBF	239.4Khrs min. MIL-HDBK-2						
OTHERS	DIMENSION	159*97*38mm (L*W*H)						
OTTLENO	PACKING	0.6Kg; 24pcs/15.4Kg/0.7CUFT						
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Line regulation is measured from low line to high line at rated load.</li> <li>Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load.</li> <li>Each output can work within current range. But total output power can't exceed rated output power.</li> <li>The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> <li>Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</li> </ol>							



### RD-85 series





# RD-125 series



Features :

- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- \* All using 105  $^\circ\!\!\mathbb{C}$  long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to  $70^{\circ}$ C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



MODEL		RD-125A		RD-125B				
	OUTPUT NUMBER	CH1	CH2	CH1	CH2			
ουτρυτ	DC VOLTAGE	5V	12V	5V	24V			
	RATED CURRENT	7.7A	7.7A	4.6A	4.6A			
	CURRENT RANGE Note.6	2 ~ 15A	0.5 ~ 10A	2 ~ 10A	0.4 ~ 5A			
	RATED POWER Note.6	130.9W		133.4W				
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	80mVp-p	120mVp-p			
	VOLTAGE ADJ. RANGE	CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V				
	VOLTAGE TOLERANCE Note.3	±5.0%	±7.0%	±5.0%	±7.0%			
	LINE REGULATION Note.4	±1.0%	±2.0%	±1.0%	±2.0%			
	LOAD REGULATION Note.5	±3.0%	±4.0%	±3.0%	±4.0%			
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load						
	HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115VAC at full load						
	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)						
	FREQUENCY RANGE	47 ~ 63Hz						
NPUT	EFFICIENCY (Typ.)	82%		85%	85%			
	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC						
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC						
	LEAKAGE CURRENT	<2mA / 240VAC						
		110 ~ 150% rated output power						
ROTECTION	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
RUIECTION	OVER VOLTAGE	CH1: 5.75 ~ 6.75V						
	OVER VOLIAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	WORKING TEMP.	-25 ~ +70 $^\circ \! \mathbb{C}$ (Refer to output load derating curve)						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
NVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C , 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃)on CH1 output						
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes						
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved						
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC						
Note 7)	EMI CONDUCTION & RADIATION							
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3						
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-6-2 (EN50082-2), heavy industry level, criteria A						
	MTBF	232.4Khrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	199*98*38mm (L*W*H)						
	PACKING	0.7Kg; 20pcs/15Kg/0.8CUFT						
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Line regulation is measured from low line to high line at rated load.</li> <li>Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load.</li> <li>Each output can work within current range. But total output power can't exceed rated output power.</li> <li>The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still mee EMC directives.</li> <li>Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</li> </ol>							



# RD-125 series



Features :

- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105  $^\circ\!\mathrm{C}$  long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to  $70^{\circ}$ C
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



MODEL		RD-125-1224		RD-125-1248		RD-125-2448			
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2		
ουτρυτ	DC VOLTAGE	12V	24V	12V	48V	24V	48V		
	RATED CURRENT	3.7A	3.7A	2.3A	2.3A	2A	2A		
	CURRENT RANGE Note.6	1~7A	0.4 ~ 5A	1~7A	0.2~2.5A	0.5~4A	0.2~2.5A		
	RATED POWER Note.6	133.2W		138W	-	144W			
	RIPPLE & NOISE (max.) Note.2	120mVp-p	200mVp-p	120mVp-p	240mVp-p	200mVp-p	240mVp-p		
	VOLTAGE ADJ. RANGE	CH1: 11.4 ~ 13.2V	. · ·	CH1: 11.4 ~ 13.2V		CH1: 22.8 ~ 26.4	V		
	VOLTAGE TOLERANCE Note.3	±2.0%	+8,-5%	±2.0%	+8,-5%	±1.0%	±4.0%		
	LINE REGULATION Note.4	±0.5%	±1.0%	±0.5%	±1.0%	±0.5%	±1.0%		
	LOAD REGULATION Note.5	±1.0%	±5.0%	±1.0%	±5.0%	±1.0%	±3.0%		
	SETUP, RISE TIME	500ms, 20ms/230VAC 1200ms, 30ms/115VAC at full load							
	HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115VAC at full load							
	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)							
	FREQUENCY RANGE	47 ~ 63Hz							
NPUT	EFFICIENCY (Typ.)	85%		86%		86%			
NFUT	AC CURRENT (Typ.)	3A/115VAC 2A/230VAC							
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC							
	LEAKAGE CURRENT	<2mA / 240VAC							
		110 ~ 150% rated output power							
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed							
PROTECTION		CH1: 13.8 ~ 16.2V CH1: 13.8 ~ 16.2V CH1: 27.6 ~ 32.4V							
	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	WORKING TEMP.	-25 ~ +70 $^{\circ}$ C (Refer to output load derating curve)							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C , 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C) on CH1 output							
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved							
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC							
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC							
EMC (Note 7)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B							
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3							
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-6-2 (EN50082-2), heavy industry level, criteria A							
	MTBF	218.2Khrs min. MIL-HDBK-217F (25°C)							
OTHERS	DIMENSION	199*98*38mm (L*W*H)							
	PACKING	0.7Kg; 20pcs/15Kg/0.8CUFT							
NOTE	<ol> <li>Harmon Control of the second se</li></ol>								



# RD-125 series



Features :

- Protections:Short circuit/Overload/Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- \* All using 105  $^\circ\!\!\mathbb{C}$  long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to  $70^\circ\!\mathrm{C}$
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty



MODEL		RD-125-2412		RD-125-4812		RD-125-4824		
	OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2	
	DC VOLTAGE	24V	12V	48V	12V	48V	24V	
	RATED CURRENT	3.7A	3.7A	2.3A	2.3A	2A	2A	
OUTPUT	CURRENT RANGE Note.6	0.5 ~ 5A	1~7A	0.3 ~ 2.5A	1~7A	0.3 ~ 2.5A	0.5~4A	
	RATED POWER Note.6	133.2W		138W		144W		
	RIPPLE & NOISE (max.) Note.2	200mVp-p	120mVp-p	240mVp-p	120mVp-p	240mVp-p	240mVp-p	
	VOLTAGE ADJ. RANGE	CH1: 22.8 ~ 26.4V		CH1: 45.6 ~ 52.8	V	CH1: 45.6 ~ 52.	.8V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±10%	±2.0%	±10%	±1.0%	±8.0%	
	LINE REGULATION Note.4	±0.5%	±1.0%	±0.5%	±1.0%	±0.5%	±1.0%	
	LOAD REGULATION Note.5	±1.0%	±5.0%	±1.0%	±5.0%	±1.0%	±5.0%	
	SETUP, RISE TIME	500ms, 20ms/230V/	AC 1200ms, 30	ms/115VAC at full load	d			
	HOLD UP TIME (Typ.)	25ms/230VAC 30ms/115VAC at full load						
	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC selected by switch 248 ~ 373VDC(Withstand 300VAC surge for 5sec. Without damage)						
	FREQUENCY RANGE	47 ~ 63Hz						
NPUT	EFFICIENCY (Typ.)	85%		86%		86%		
	AC CURRENT (Typ.)	3A/115VAC 2/	A/230VAC			· · · · · · · · · · · · · · · · · · ·		
	INRUSH CURRENT (Typ.)	COLD START 40A/230VAC						
	LEAKAGE CURRENT	<2mA / 240VAC						
		110 ~ 150% rated output power						
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
PROTECTION		CH1: 27.6 ~ 32.4V CH1: 55.2 ~ 64.8V CH1: 55.2 ~ 64.8V						
	OVER VOLTAGE	Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	WORKING TEMP.	$-25 \sim +70^{\circ}$ C (Refer to output load derating curve)						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C , 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C) on CH1 output						
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes						
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved						
CALETY .	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC						
SAFETY &	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC						
EMC (Note 7)	EMI CONDUCTION & RADIATION							
,	HARMONIC CURRENT	Compliance to EN61000-3-2,-3						
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61000-6-2 (EN50082-2), heavy industry level, criteria A						
	MTBF	232.4Khrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	199*98*38mm (L*W*H)						
	PACKING	0.7Kg; 20pcs/15Kg/0.8CUFT						
NOTE	<ol> <li>PACKING 0.7Ng, 20pcs/15kg/0.80011</li> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Line regulation is measured from low line to high line at rated load.</li> <li>Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load.</li> <li>Each output can work within current range. But total output power can't exceed rated output power.</li> <li>The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> <li>Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</li> </ol>							



### RD-125 series

