



■ Features :

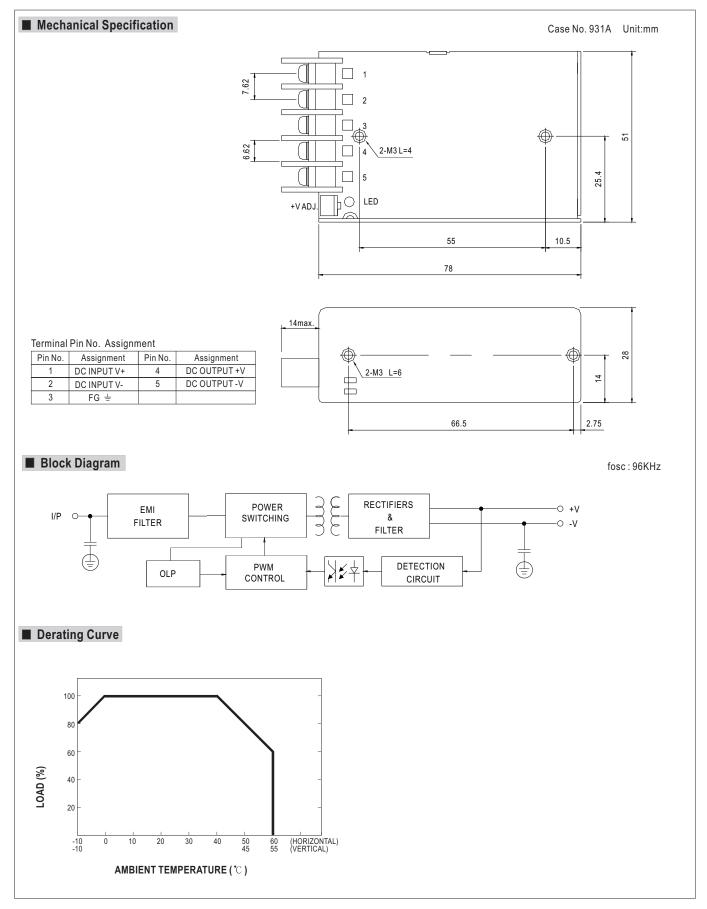
- 2:1 wide input range
- Protections:Short circuit/Over load /voltage
- Built-in EMI filter, low ripple noise
- 100% full load burn-in test
- Low cost
- High reliability
- 2 years warranty

SPECIFICATION

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MODEL		SD-15A-05	SD-15B-05	SD-15C-05	SD-15A-12	SD-15B-12	SD-15C-12	SD-15A-24	SD-15B-24	SD-15C-24	
	DC VOLTAGE	5V			12V			24V			
OUTPUT	RATED CURRENT	3A			1.25A			0.625A			
	CURRENT RANGE	0 ~ 3A			0 ~ 1.25A			0 ~ 0.625A			
	RATED POWER	15W			15W			15W			
	RIPPLE & NOISE (max.) Note.2	100mVp-p			120mVp-p			150mVp-p			
	VOLTAGE ADJ.RANGE	4.75~5.5VDC	,		10.8~13.2VDC			21.6~26.4VDC			
	VOLTAGE TOLERANCE Note.3	±2.0%			±1.0%			±1.0%			
	LINE REGULATION	±0.5%			±0.3%			±0.2%			
	LOAD REGULATION	±0.5%			±0.3%			±0.2%			
	SETUP, RISE ,HOLD UP TIME	2.5s, 25ms,	- 12VDC/24V	DC/48VDC at fo	ull load						
	VOLTAGE RANGE	A: 9.2~18VE	OC B:18 ~	~ 36VDC C:	36~72VDC						
INPUT	EFFICIENCY(Typ.)	68%	76%	75%	72%	76%	79%	70%	77%	78%	
	DC CURRENT(Typ.)	1.9A/12VDC		24VDC	0.45A/48VDC	,					
	OVER LOAD	105 ~160% rated output power									
PROTECTION		Protection type: Hiccup mode, recovers automatically after fault condition is removed									
FROILCHON	OVER VOLTAGE	5.75 ~ 6.75V			13.8~ 16.2V			27.6 ~ 32.4V			
		Protection type: Shut off o/p voltage, clamping by zener diode									
	WORKING TEMP.	-10 ~ +60°C(Refer to "Derating Curve")									
	WORKING HUMIDITY	20 ~ 90% RH non-condensing									
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH									
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min.each along X, Y, Z axes									
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1KVAC O/P-FG:0.5KVAC									
SAFETY &	ISOLATION RESISTANCE	I/P-O/P,I/P-FG,O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH									
EMC (Note 4)	EMC EMISSION	Compliance to EN55022(CISPR22)									
, ,,	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,6,8, EN55024, light industry level, criteria A									
	MTBF	644.2K hrs min.(SD-15A) 652.5K hrs min.(SD-15B) 653.5K Hrs min.(SD-15C) MIL-HDBK-217F (25°							C)		
OTHERS	DIMENSION	78*51*28mm (L*W*H)									
	PACKING	0.18kg,60 PCS/11.8kg									
NOTE	 All parameters NOT specially mentioned are measured at normal input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 										









■ Features :

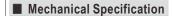
- 2:1 wide input range
- Protections: Short circuit / Overload / Over voltage
- 1500VAC I/O isolation
- Built-in EMI filter, low ripple noise
- 100% full load burn-in test
- Fixed switching frequency at 83KHz
- Low cost
- High reliability
- 2 years warranty

SPECIFICATION

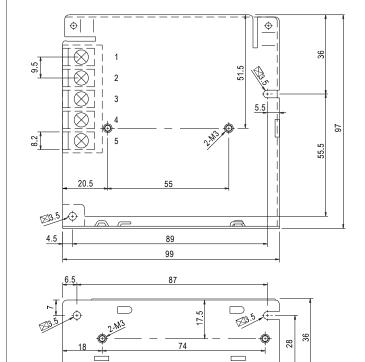
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MODEL		SD-25A-5	SD-25B-5	SD-25C-5	SD-25A-12	SD-25B-12	SD-25C-12	SD-25A-24	SD-25B-24	SD-25C-24		
	DC VOLTAGE	5V			12V	12V			24V			
	RATED CURRENT	5A			2.1A	2.1A			1.1A			
	CURRENT RANGE	0 ~ 5A			0 ~ 2.1A			0 ~ 1.1A				
	RATED POWER	25W			25.2W	25.2W			26.4W			
OUTDUT	RIPPLE & NOISE (max.) Note.2	! 100mVp-p			120mVp-p			150mVp-p				
OUTPUT	VOLTAGE ADJ. RANGE	4.5 ~ 5.5VDC			11 ~ 16VDC			23 ~ 30VDC				
	VOLTAGE TOLERANCE Note.3	±2.0%			±1.0%			±1.0%				
	LINE REGULATION	±0.5%			±0.3%			±0.2%				
	LOAD REGULATION	±0.5%			±0.3%			±0.2%				
	SETUP, RISE, HOLD UP TIME	2.5s, 50ms,	at full load									
	VOLTAGE RANGE	A:9.2 ~ 18VD	A:9.2 ~ 18VDC B:19 ~ 36VDC C:36 ~ 72VDC									
INPUT	EFFICIENCY (Typ.)	71%	72%	74%	72%	75%	78%	75%	78%	81%		
	DC CURRENT	3.2A/12V	1.6A/24V	0.8A/48V	3.2A/12V	1.6A/24V	0.8A/48V	3.2A/12V	1.6A/24V	0.8A/48V		
		105 ~ 150% rated output power										
PROTECTION	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
PROTECTION		5.75 ~ 6.75V/10% load 16.8 ~ 20V/10% load 31.5 ~ 37.5V/10% load						//10% load				
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes										
	SAFETY STANDARDS	Design refer to LVD										
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:2.0KVAC O/P-FG:0.5KVAC										
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH										
(Note 4)	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B										
	EMC IMMUNITY	Compliance t	o EN61000-4-	2,3,4,6,8, EN5	5024,heavy inc	lustry level, crit	teria A					
	MTBF	374.3K hrs min.(SD-25A) 365.9K hrs min.(SD-25B) 377.5K Hrs min.(SD-25C) MIL-HDBK-217F (25°C))		
OTHERS	DIMENSION	99*97*36mm (L*W*H)										
	PACKING	0.38Kg; 45pc	s/17.8Kg/0.9C	UFT								
NOTE	Ripple & noise are measure Tolerance : includes set up	All parameters NOT specially mentioned are measured at 12,24,48VDC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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.										





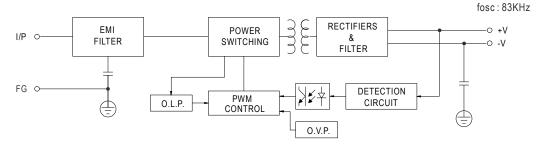




Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	DC INPUT V-	4	DC OUTPUT +V
2	DC INPUT V+	5	DC OUTPUT -V
3	FG ±		

■ Block Diagram

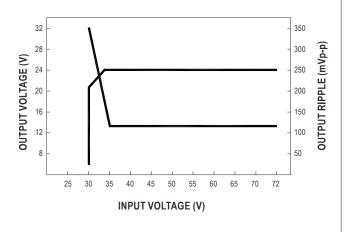


■ Derating Curve

SD-25B,C/12,24 80 60 SD-25A SD-25B-5 SD-25C-5 SD-25C-5 SD-25C-5 (VERTICAL) HORIZONTAL)

AMBIENT TEMPERATURE (℃)

■ Static Characteristics(SD-25C-24V)







Features:

- 2:1 wide input range
- Protections: Short circuit / Overload / Over voltage
- 1500VAC I/O isolation
- Built-in EMI filter, low ripple noise
- 100% full load burn-in test
- Fixed switching frequency at 83KHz
- Low cost
- High reliability
- 2 years warranty

SPECIFICATION

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MODEL		SD-50A-5	SD-50B-5	SD-50C-5	SD-50A-12	SD-50B-12	SD-50C-12	SD-50A-24	SD-50B-24	SD-50C-24		
	DC VOLTAGE	5V			12V	12V			24V			
OUTPUT	RATED CURRENT	10A			4.2A	4.2A			2.1A			
	CURRENT RANGE	0 ~ 10A			0~4.2A	0~4.2A			0 ~ 2.1A			
	RATED POWER	50W			50.4W			50.4W				
	RIPPLE & NOISE (max.) Note.2	100mVp-p			120mVp-p			150mVp-p				
	VOLTAGE ADJ. RANGE	4.5 ~ 5.5VDC			11 ~ 16VDC			23 ~ 30VDC				
	VOLTAGE TOLERANCE Note.3	±2.0%			±1.0%			±1.0%				
	LINE REGULATION	±0.5%			±0.3%			±0.2%				
	LOAD REGULATION	±0.5%			±0.3%			±0.2%				
	SETUP, RISE, HOLD UP TIME	2.5s, 50ms,	2.5s, 50ms, at full load									
	VOLTAGE RANGE	A:9.2 ~ 18VD	x:9.2 ~ 18VDC B:19 ~ 36VDC C:36 ~ 72VDC									
INPUT	EFFICIENCY (Typ.)	70%	73%	76%	72%	75%	78%	74%	80%	83%		
	DC CURRENT	7A/12V			3A/24V			1.5A/48V				
		105 ~ 150% rated output power										
PROTECTION	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
PROTECTION		5.75 ~ 6.75V/10% load 16.8 ~ 20V/10% load 31.5 ~ 37.5V/10% load										
	OVER VOLTAGE	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03%/℃ (0~50℃)										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes										
	SAFETY STANDARDS	Design refer to LVD										
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC										
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-F	G, O/P-FG:10	0M Ohms / 50	0VDC / 25°C / 7	0% RH						
(Note 4)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B										
	EMS IMMUNITY	Compliance t	o EN61000-4-		/50204, EN550		stry level, crite	ria A				
	MTBF	365.6K hrs min.(SD-50A) 357.5K hrs min.(SD-50B) 368.5K Hrs min.(SD-50C) MIL-HDBK-217F (25℃))		
OTHERS	DIMENSION	159*97*38mm (L*W*H)										
	PACKING	0.48Kg; 24pcs/12.7Kg/0.75CUFT										
NOTE	 All parameters NOT specially mentioned are measured at 12,24,48VDC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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. 											



