

12V 2.5A

24V 1.3A

DC OUTPUT

SPLFA

	MODEL		SPLFA30F-5	SPLFA30F-12	SPLFA30F-24	
	VOLTAGE[V]		AC85 - 264 1 ¢ (Refer to Instruction Manual 1.1 and 3.1) *3			
	ACIN 100V					
	CURRENT[A]	ACIN 200V	0.35typ (lo=100%)			
	FREQUENCY[Hz]		50 / 60 (47 - 440)			
INPUT		ACIN 100V	75.0typ	78.0typ	81.0typ	
	EFFICIENCY[%]	ACIN 200V	77.0typ	80.0typ	83.0typ	
		ACIN 100V	15typ (lo=100%) (At cold start) (T	a=25℃)		
	INRUSH CURRENT[A]	ACIN 200V	30typ (lo=100%) (At cold start) (T	a=25℃)		
	LEAKAGE CURRENT[mA]		0.30 / 0.65max (ACIN 100V / 240V 60Hz, lo=100%, According to IEC60950-1 and DEN-AN)			
	VOLTAGE[V]		5	12	24	
	CURRENT[A]		6.0	2.5	1.3	
	LINE REGULATION	mV] *5	20max	48max	96max	
	LOAD REGULATION		100max	100max	150max	
			100max	120max	120max	
	RIPPLE[mVp-p]	-10-0°C *1	140max	160max	160max	
		0 to +50°C *1	250max	250max	250max	
OUTPUT	RIPPLE NOISE[mVp-p]	-10-0°C *1	300max	300max	300max	
			50max	120max	240max	
	TEMPERATURE REGULATION[mV]		60max	150max	290max	
	DRIFT[mV] *2		20max	48max	96max	
	START-UP TIME[ms]		150typ (ACIN 100V, Io=100%)			
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)			
	OUTPUT VOLTAGE SETTING[V]		4.90 to 5.30	11.50 to 12.50	23.00 to 25.00	
	OVERCURRENT PROT		Works over 105% of rating and re	covers automatically		
PROTECTION	OVERVOLTAGE PROTECTION[V]		5.75 to 7.00	13.80 to 16.80	27.60 to 33.60	
	OPERATING INDICATION		LED (Green)			
OTHERS	REMOTE SENSING		Not provided			
	REMOTE ON/OFF		Not provided			
	INPUT-OUTPUT		AC3,000V 1 minute, Cutoff current	$t = 10 \text{mA}$. DC500V 50M Ω mi	n (At Room Temperature)	
SOLATION	INPUT-FG		AC2.000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)			
	OUTPUT-FG		AC500V 1 minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)			
	OPERATING TEMP. HUMID. AND ALTITUDE		-10 to +60°C, 20 - 90% RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max *3			
	STORAGE TEMP., HUMID.AND		-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max			
INVIRONMENT	VIBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT		$196.1m/s^2$ (20G), 11ms, once each X, Y and Z axis			
SAFETY AND	AGENCY APPROVAL	s	DEN-AN			
IOISE	CONDUCTED NOISE/	-	Complies with DEN-AN			
	HARMONIC ATTENU			A (Not built-in to active filter *	• , Please contact us for the details of class (
	CASE SIZE/WEIGHT		61×36×150mm [2.40×1.42×5.9			
OTHERS	COOLING METHOD		Convection			
			- Noise meter (Equivalent to KEISOKU-GIKEN: RM103).			

5V 6A

*3 Derating is required.

*4 When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details. Please contact us about dynamic load and input response. To meet the specifications. Do not operate over-loaded condition.

*5

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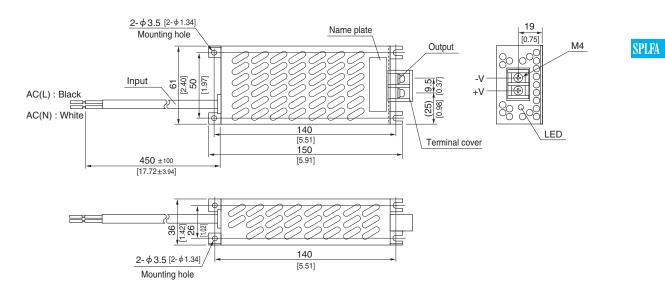
Parallel operation is not possible. Derating is required when operated with chassis and cover. Sound noise may be generated by power supply in case of pulse load. *

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Block diagram



External view



% Tolerance : ±1 [±0.04]

- ※ Weight: 370g max
- % PCB material/thickness : CEM3 / 1.6mm [0.06]
- * Chassis and cover material : Electric galvanizing steel board
- % Dimensions in mm, []=inches
- % Mounting torque : M4 : 1.6N \cdot m (16.9kgf \cdot cm) max
- % Input wire : VCTF 0.75sq X2C



MODEL	SPLFA50F-5	SPLFA50F-12	SPLFA50F-24
MAX OUTPUT WATTAGE[W]	50	51.6	50.4
DC OUTPUT	5V 10A	12V 4.3A	24V 2.1A

	MODEL		SPLFA50F-5	SPLFA50F-12	SPLFA50F-24		
	VOLTAGE[V]		AC85 - 264 1 ϕ (Refer to Instruction Manual 1.1 and 3.1) *3				
INPUT		ACIN 100V					
	CURRENT[A]	ACIN 200V	0.36typ (lo=100%)				
	FREQUENCY[Hz]		50 / 60 (47 - 63)				
		ACIN 100V	76.5typ	79.0typ	80.5typ		
		ACIN 200V	78.0typ	80.5typ	82.0typ		
		ACIN 100V	0.97typ				
	POWER FACTOR (lo=100%)	ACIN 200V	0.90typ				
		ACIN 100V	15typ (Io=100%) (At cold start)	(Ta=25℃)			
	INRUSH CURRENT[A]						
	LEAKAGE CURREN	Γ[mA]	0.40 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN)				
	VOLTAGE[V]		5	12	24		
	CURRENT[A]		10.0	4.3	2.1		
	LINE REGULATION	mV] *4	20max	48max	96max		
	LOAD REGULATION	[mV] *4	150max	150max	150max		
	RIPPLE[mVp-p]	0 to +50℃ *1	100max	120max	120max		
	hippecilling-b]	-10-0°C *1	140max	160max	160max		
OUTPUT		0 to +50℃ *1	250max	250max	250max		
01701	RIPPLE NOISE[mVp-p]	-10-0°C *1	300max	300max	300max		
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	120max	240max		
		-10 to +50℃	60max	150max	290max		
	DRIFT[mV] *2		20max	48max	96max		
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)				
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)				
	OUTPUT VOLTAGE SET	fing[V]	4.90 to 5.30	11.50 to 12.50	23.00 to 25.00		
	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically				
ROTECTION	OVERVOLTAGE PROTECTION[V]		5.75 to 7.00	13.80 to 16.80	27.60 to 33.60		
IRCUIT AND	OPERATING INDICATION		LED (Green)				
THERS	REMOTE SENSING		Not provided				
	REMOTE ON/OFF		Not provided				
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)				
SOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)				
	OUTPUT-FG		AC500V 1 minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)				
	OPERATING TEMP., HUMID.AND						
NVIRONMENT	STORAGE TEMP.,HUMID.AND	ALTITUDE					
	VIBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis				
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis				
AFETY AND	AGENCY APPROVAI	-	DEN-AN				
OISE	CONDUCTED NOISE/	POWER	Complies with DEN-AN				
EGULATIONS		ATOR	Complies with IEC61000-3-2 (F		,		
	CASE SIZE/WEIGHT		61×36×174mm [2.40×1.42×	6.85 inches] (W×H×D) / 440g	g max		
DTHERS	COOLING METHOD		Convection				

Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103). *1

*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

*3

Derating is required. When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details. Please contact us about dynamic load and input response. *4

*5 *

To meet the specifications. Do not operate over-loaded condition. Parallel operation is not possible. *

Derating is required when operated with chassis and cover.

Sound noise may be generated by power supply in case of pulse load.

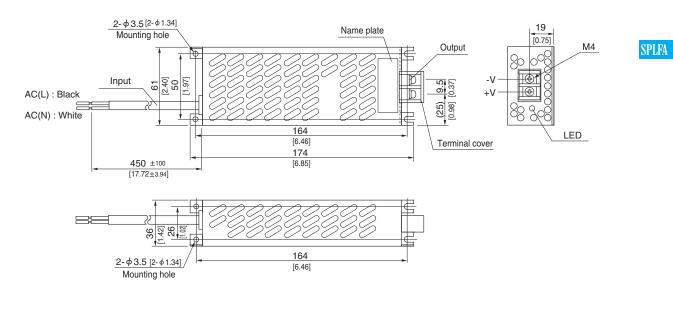
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Block diagram



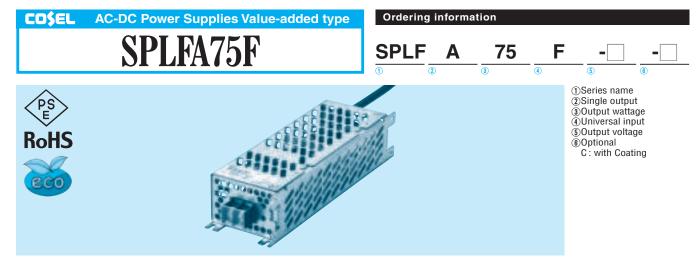
External view



% Tolerance : ±1 [±0.04]

% Weight : 440g max

- % PCB material/thickness : CEM3 / 1.6mm [0.06]
- $\ensuremath{\ll}$ Chassis and cover material : Electric galvanizing steel board
- % Dimensions in mm, []=inches
- % Mounting torque : M4 : 1.6N \cdot m (16.9kgf \cdot cm) max
- ※ Input wire : VCTF 0.75sq X 2C



MODEL	SPLFA75F-5	SPLFA75F-12	SPLFA75F-24
MAX OUTPUT WATTAGE[W]	75	75.6	76.8
DC OUTPUT	5V 15A	12V 6.3A	24V 3.2A

URRENT[A] REQUENCY[Hz] FFICIENCY[%] OWER FACTOR (lo=100%)	ACIN 100V ACIN 200V ACIN 100V ACIN 200V ACIN 100V ACIN 200V	15typ (lo=100%) (At cold start) (30typ (lo=100%) (At cold start) (80.0typ 82.0typ	81.5typ 83.5typ				
URRENT[A] REQUENCY[Hz] FFICIENCY[%] OWER FACTOR (Io=100%) IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 200V ACIN 100V ACIN 200V ACIN 100V ACIN 200V ACIN 100V ACIN 200V	0.50typ (lo=100%) 50 / 60 (47 - 63) 75.0typ 77.0typ 0.97typ 0.90typ 15typ (lo=100%) (At cold start) (30typ (lo=100%) (At cold start) (82.0typ					
REQUENCY[Hz] FFICIENCY[%] WER FACTOR (lo=100%) IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 100V ACIN 200V ACIN 100V ACIN 200V ACIN 100V ACIN 200V	50 / 60 (47 - 63) 75.0typ 77.0typ 0.97typ 0.90typ 15typ (Io=100%) (At cold start) (30typ (Io=100%) (At cold start) (82.0typ					
FFICIENCY[%] OWER FACTOR (Io=100%) IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 200V ACIN 100V ACIN 200V ACIN 100V ACIN 200V	75.0typ 77.0typ 0.97typ 0.90typ 15typ (Io=100%) (At cold start) (30typ (Io=100%) (At cold start) (82.0typ					
FFICIENCY[%] OWER FACTOR (I0=100%) IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 200V ACIN 100V ACIN 200V ACIN 100V ACIN 200V	77.0typ 0.97typ 0.90typ 15typ (Io=100%) (At cold start) (30typ (Io=100%) (At cold start) (82.0typ					
DWER FACTOR (Io=100%) IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 100V ACIN 200V ACIN 100V ACIN 200V	0.97typ 0.90typ 15typ (Io=100%) (At cold start) (30typ (Io=100%) (At cold start) (83.5typ				
UWER FACTOR (I0=100%) IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 200V ACIN 100V ACIN 200V	0.90typ 15typ (lo=100%) (At cold start) (30typ (lo=100%) (At cold start) (Ta=25°C)					
IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 100V ACIN 200V	15typ (lo=100%) (At cold start) (30typ (lo=100%) (At cold start) (ˈTa=25℃)					
IRUSH CURRENT[A] EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r	ACIN 200V	30typ (lo=100%) (At cold start) ((Ta=25℃)	51				
EAKAGE CURRENT OLTAGE[V] URRENT[A] INE REGULATION[r			15typ (lo=100%) (At cold start) (Ta=25°C)					
OLTAGE[V] URRENT[A] INE REGULATION[r	[[mA]	0.40./0.75						
URRENT[A] INE REGULATION[r		0.40 / 0.75max (ACIN 100V / 24	0.40 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN)					
INE REGULATION[r		5	12	24				
		15.0	6.3	3.2				
OAD REGULATION	nV] *4	20max	48max	96max				
ONB HEGGEAHON	[mV] *4	150max	150max	150max				
	0 to +50℃ *1	100max	120max	120max				
RIPPLE[mVp-p]	-10-0°C *1	140max	160max	160max				
	0 to +50℃ *1	250max	250max	250max				
RIPPLE NOISE[mVp-p]	-10-0°C *1	300max	300max	300max				
TEMPERATURE REGULATION[mV]	0 to +50℃	50max	120max	240max				
	-10 to +50℃	60max	150max	290max				
		20max	48max	96max				
START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)						
HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)						
UTPUT VOLTAGE SETT	fing[v]	4.90 to 5.30	11.50 to 12.50	23.00 to 25.00				
OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically						
OVERVOLTAGE PROTECTION[V]		5.75 to 7.00	13.80 to 16.80	27.60 to 33.60				
OPERATING INDICATION		LED (Green)						
EMOTE SENSING		Not provided						
EMOTE ON/OFF		Not provided						
NPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)						
NPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)						
UTPUT-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)						
PERATING TEMP., HUMID. AND	ALTITUDE							
FORAGE TEMP., HUMID.AND	ALTITUDE							
IBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis						
IPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis						
GENCY APPROVAL	.s	DEN-AN						
ONDUCTED NOISE/	POWER	Complies with DEN-AN						
ARMONIC ATTENU	ATOR	Complies with IEC61000-3-2 (P	lease contact us for the detail	Is of class C.)				
ASE SIZE/WEIGHT		61×42×192mm [2.40×1.65×7	.56 inches] (W×H×D) / 540g	J max				
COOLING METHOD		Convection						
	ERVOLTAGE PROTEC ERATING INDICA MOTE SENSING MOTE ON/OFF PUT-OUTPUT PUT-FG RATING TEMP,HUMID.AND RAGE TEMP,HUMID.AND BRATION PACT ENCY APPROVAL NDUCTED NOISE/ RMONIC ATTENU SE SIZE/WEIGHT	ERVOLTAGE PROTECTION[V] ERATING INDICATION MOTE SENSING MOTE ON/OFF PUT-OUTPUT PUT-FG RATING TEMP,HUMID.AND ALTITUDE RAGE TEMP,HUMID.AND ALTITUDE BRATION PACT ENCY APPROVALS NDUCTED NOISE/POWER RMONIC ATTENUATOR SE SIZE/WEIGHT	ERVOLTAGE PROTECTION[V] 5.75 to 7.00 ERATING INDICATION LED (Green) MOTE SENSING Not provided MOTE ON/OFF Not provided PUT-OUTPUT AC3,000V 1minute, Cutoff curree PUT-FG AC2,000V 1minute, Cutoff current RATING TEMP,HUMID.AND ALTITUDE -10 to +50°C, 20 - 90%RH (Non RAGE TEMP,HUMID.AND ALTITUDE -20 to +75°C, 20 - 90%RH (Non BACT 196.1m/s² (20G), 11ms, once eas ENCY APPROVALS DEN-AN NDUCTED NOISE/POWER Complies with DEN-AN RMONIC ATTENUATOR Complies with IEC61000-3-2 (P SE SIZE/WEIGHT 61×42×192mm [2.40×1.65×7	ERVOLTAGE PROTECTION[V] 5.75 to 7.00 13.80 to 16.80 ERATING INDICATION LED (Green) MOTE SENSING Not provided MOTE ON/OFF Not provided PUT-OUTPUT AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ m PUT-FG AC2,000V 1minute, Cutoff current = 25mA, DC500V 50MΩ min TPUT-FG AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min RATING TEMP,HUMID.AND ALTITUDE -10 to +50°C, 20 - 90% RH (Non condensing) (Refer to DERAT RAGE TEMP,HUMID.AND ALTITUDE -20 to +75°C, 20 - 90% RH (Non condensing), 9,000m (30,000) BRATION 10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each a PACT 196.1m/s² (20G), 11ms, once each X, Y and Z axis ENCY APPROVALS DEN-AN NDUCTED NOISE/POWER Complies with DEN-AN RMONIC ATTENUATOR Complies with IEC61000-3-2 (Please contact us for the detail SE SIZE/WEIGHT 61 × 42 × 192mm [2.40 × 1.65 × 7.56 inches] (W × H × D) / 540g				

Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103). *1

*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

*3

Derating is required. When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details. Please contact us about dynamic load and input response. *4

*5 To meet the specifications. Do not operate over-loaded condition. Parallel operation is not possible. *

*

Derating is required when operated with chassis and cover.

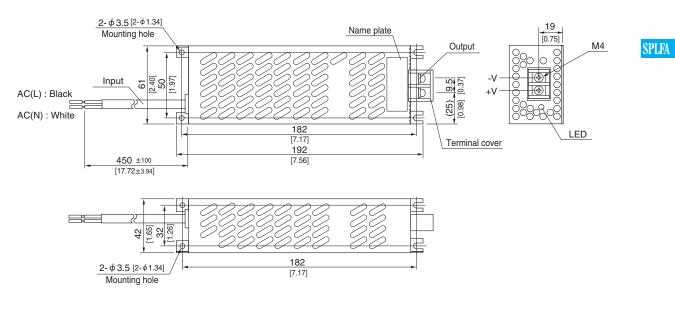
Sound noise may be generated by power supply in case of pulse load.

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Block diagram



External view



% Tolerance : ±1 [±0.04]

※ Weight: 540g max

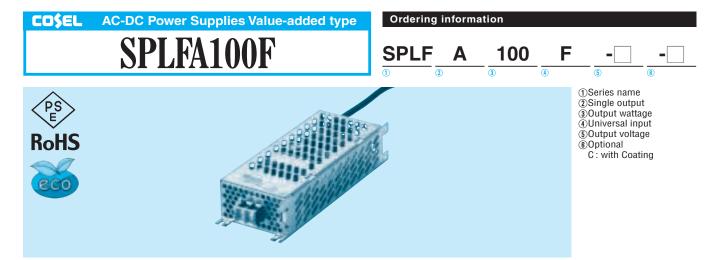
% PCB material/thickness : CEM3 / 1.6mm [0.06]

* Chassis and cover material : Electric galvanizing steel board

% Dimensions in mm, []=inches

% Mounting torque : M4 : 1.6N ⋅ m (16.9kgf ⋅ cm) max

※ Input wire : VCTF 0.75sq×2C



MODEL	SPLFA100F-12	SPLFA100F-24
MAX OUTPUT WATTAGE[W]	102.0	103.2
DC OUTPUT	12V 8.5A	24V 4.3A

IV	IODEL		SPLFA100F-12	SPLFA100F-24	
V	OLTAGE[V]		AC85 - 264 1 ϕ (Refer to Instruction Manu	ual 1.1 and 3.1) *3	
			/ 1.3typ (lo=100%)		
	URRENI[A]	ACIN 200V	0.7typ (lo=100%)		
F	FREQUENCY[Hz]		50 / 60 (47 - 63)		
_	EFFICIENCY[%]	ACIN 100V	80.5typ	83.0typ	
NPUT 5		ACIN 200V	83.5typ	86.0typ	
	POWER FACTOR (lo=100%)		0.97typ		
P	ACIN 200V		/ 0.90typ		
	NRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%) (At cold start) (Ta=25℃)		
		ACIN 200V	30typ (Io=100%) (At cold start) (Ta=25°C)		
L	EAKAGE CURREN	T[mA]	0.40 / 0.75max (ACIN 100V / 240V 60Hz,	Io=100%, According to IEC60950-1 and DEN-AN)	
V	OLTAGE[V]		12	24	
	URRENT[A]		8.5	4.3	
	INE REGULATION[-	48max	96max	
L	OAD REGULATION			150max	
B	RIPPLE[mVp-p]	0 to +50℃ *1	120max	120max	
	RIPPLE[mvp-p]	-10-0℃ *1	160max	160max	
	RIPPLE NOISE[mVp-p]	0 to +50℃ *1	250max	250max	
		-10-0°C *1	300max	300max	
т	TEMPERATURE REGULATION[mV]		120max	240max	
		-10 to +50℃	150max	290max	
	DRIFT[mV] *2		48max	96max	
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)		
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)		
	UTPUT VOLTAGE SET		11.50 to 12.50	23.00 to 25.00	
-	OVERCURRENT PROTECTION		Works over 105% of rating and recovers a		
	OVERVOLTAGE PROTECTION[V]		13.80 to 16.80	27.60 to 33.60	
	OPERATING INDICATION		LED (Green)		
	REMOTE SENSING		Not provided		
	REMOTE ON/OFF		Not provided		
-	NPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)		
	NPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)		
-	DUTPUT-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)		
	PERATING TEMP., HUMID.AND				
NVIRONMENT	TORAGE TEMP., HUMID.AND	ALTITUDE			
	/IBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis		
	MPACT	-	196.1m/s ² (20G), 11ms, once each X, Y and Z axis		
	GENCY APPROVAL	-	DEN-AN		
	CONDUCTED NOISE/		Complies with DEN-AN		
	IARMONIC ATTENU		Complies with IEC61000-3-2 (Please conta		
DTHERS -	CASE SIZE/WEIGHT		73×42×197mm [2.87×1.65×7.76 inches] (W×H×D) / 670g max	
	COOLING METHOD		Convection		

Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103). *1

*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

*3

Derating is required. When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details. Please contact us about dynamic load and input response. *4

*5 To meet the specifications. Do not operate over-loaded condition. Parallel operation is not possible. *

Derating is required when operated with chassis and cover.

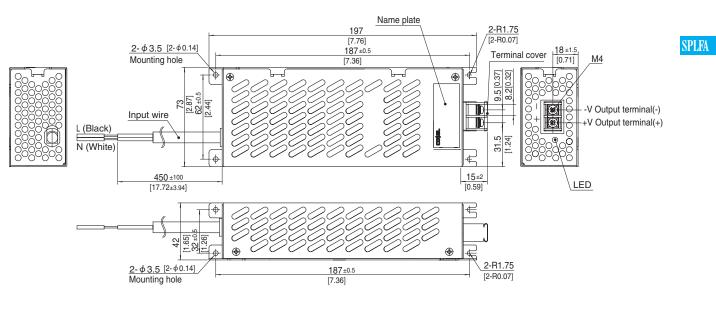
Sound noise may be generated by power supply in case of pulse load.

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Block diagram



External view

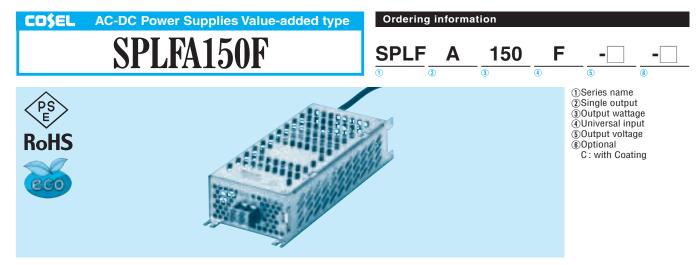


% Tolerance : ±1 [±0.04]

% Weight : 670g max

- ※ Dimensions in mm, []=inches
- % Chassis material : Galvanized Steel board
- % Screw tightening torque : M4 : 1.6N \cdot m (16.9kgf \cdot cm) max

% Input wire : VCTF 0.75sq × 2C



MODEL	SPLFA150F-12	SPLFA150F-24
MAX OUTPUT WATTAGE[W]	150	151.2
DC OUTPUT	12V 12.5A	24V 6.3A

	MODEL		SPLFA150F-12	SPLFA150F-24	
	VOLTAGE[V]		AC85 - 264 1 ¢ (Refer to Instruction Manual 1.1	and 3.1) *3	
INPUT	ACIN 100V		/ 2.0typ (lo=100%)		
	CURRENT[A]	ACIN 200V	1.0typ (lo=100%)		
	FREQUENCY[Hz]		50 / 60 (47 - 63)		
	EFFICIENCY[%]	ACIN 100V	81.0typ	84.0typ	
		ACIN 200V	84.0typ	86.5typ	
	POWER FACTOR (lo=100%)	ACIN 100V	0.97typ		
	POWER FACTOR (IO=100%)	ACIN 200V	0.90typ		
	INRUSH CURRENT[A]	ACIN 100V			
		ACIN 200V	30typ (Io=100%) (At cold start) (Ta=25°C)		
	LEAKAGE CURREN	T[mA]	0.40 / 0.75max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60950-1 and DEN-AN)		
	VOLTAGE[V]		12	24	
	CURRENT[A]		12.5	6.3	
	LINE REGULATION[mV] *4	48max	96max	
	LOAD REGULATION	[mV] *4		150max	
	RIPPLE[mVp-p]	0 to +50℃ *1	120max	120max	
	RIPPLE[mvp-p]	-10-0℃ *1	160max	160max	
UTPUT	RIPPLE NOISE[mVp-p]	0 to +50℃ *1	250max	250max	
		-10-0℃ *1	300max	300max	
	TEMPERATURE REGULATION[mV]	0 to +50℃	120max	240max	
		-10 to +50℃	150max	290max	
	DRIFT[mV] *2		48max	96max	
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)		
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)		
	OUTPUT VOLTAGE SETTING[V]		11.50 to 12.50	23.00 to 25.00	
	OVERCURRENT PROT	ECTION	Works over 105% of rating and recovers automatically		
ROTECTION	OVERVOLTAGE PROTECTION[V]		13.80 to 16.80	27.60 to 33.60	
IRCUIT AND	OPERATING INDICATION		LED (Green)		
THERS	REMOTE SENSING		Not provided		
	REMOTE ON/OFF		Not provided		
	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)		
SOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)		
	OUTPUT-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)		
	OPERATING TEMP., HUMID. AND ALTITUDE				
NVIRONMENT	STORAGE TEMP., HUMID.AND	ALTITUDE			
	VIBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis		
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis		
AFETY AND	AGENCY APPROVAL		DEN-AN		
OISE	CONDUCTED NOISE/	-	Complies with DEN-AN		
EGULATIONS	HARMONIC ATTENU	-	Complies with IEC61000-3-2 (Please contact us	· · · · · · · · · · · · · · · · · · ·	
THERS	CASE SIZE/WEIGHT		86×47×202mm [3.39×1.85×7.95 inches] (W×	H×D) / 850g max	
	COOLING METHOD		Convection		

Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103). *1

*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

*3

Derating is required. When two or more units are operating it may not comply with the IEC61000-3-2. Please contact us for details. Please contact us about dynamic load and input response. *4

*5 To meet the specifications. Do not operate over-loaded condition. Parallel operation is not possible. *

Derating is required when operated with chassis and cover.

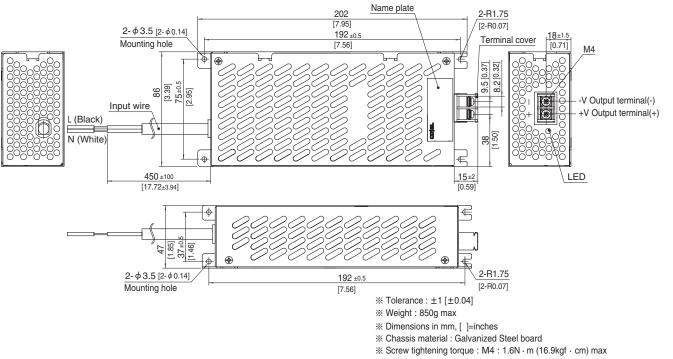
Sound noise may be generated by power supply in case of pulse load.

SPLFA150F | CO\$EL

Block diagram



External view



% Input wire : VCTF 0.75sq X2C

SPLFA