

FEATURES:

- Wide input range: 18-30VAC
- Short-circuit protection, over current protect, over voltage protect, over temperature protect
- Efficiency(typ):85%
- Switching frequency: 350Khz
- No load power(typ):0.2W
- Metal case
- PCB mount



Selection Guide

Part No.	INPUT		OUTPUT				Capacitive Load(μF)
	Normal (Vac)	Range (Vac)	Voltage (V1dc)	current (mA)	Voltage (V2dc)	current (mA)	
LAE6-24S3X3	24	18-30	3.3	1800			
LAE6-24S05			5	1200			
LAE6-24S06			6	1000			
LAE6-24S09			9	670			
LAE6-24S12			12	500			
LAE6-24S15			15	400			
LAE6-24S24			24	250			

customized accepted, pls contact sales for details

Input Specifications

Input Voltage Range	Input Voltage Range (Vac)	nominal input voltage	Max (Vac)
	18-30	24	30
Input Filter	Capacitive Filter		
Ctrl	NONE		
	NONE		
Hot Plug	Unavailable		

Output Specifications

Item	Typ	Max	Test Conditions
Voltage Accuracy	±1%		
Line Regulation	±3%		
Load Regulation	±3%		
Ripple&Noise	60mVp-p		20MHz Bandwidth, full load

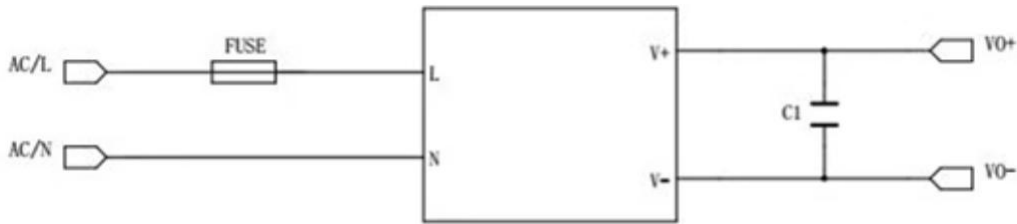
General Specifications

Switching Frequency	350KHz(Typ)	100% full load, nominal input voltage
Short-Circuit Protection	Continuous, self-recovery	
Isolation (Input-Output)	1500VDC	Input-output electric strength test for 1 minute with a leakage current
Operating Temperature	-30~+55℃	
Storage Temperature	-40~+105℃	

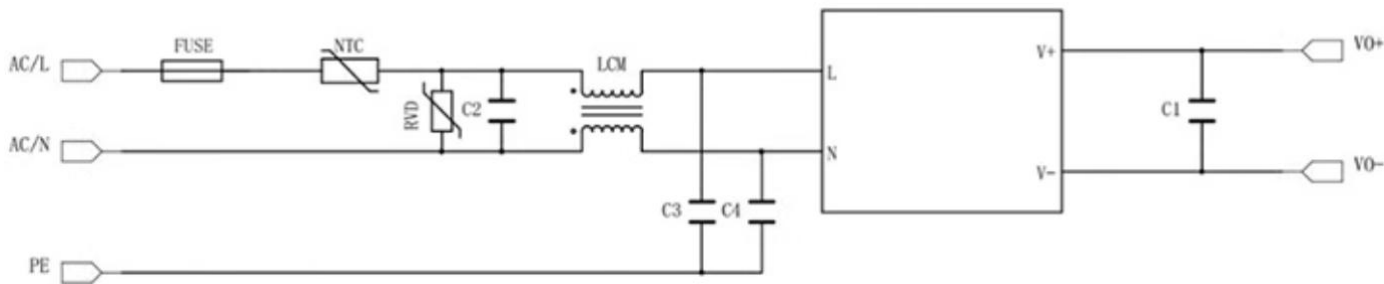
Storage Humidity	<95%RH	Non-condensing
Cooling Method	Free air convection	
Case Material	Metal case	
Weight	38g (Typ)	

**Unless specified, otherwise all other parameters are tested under the following conditions: nominal input voltage, pure resistive load, 25℃ room temperature environment.

Recommended Circuit

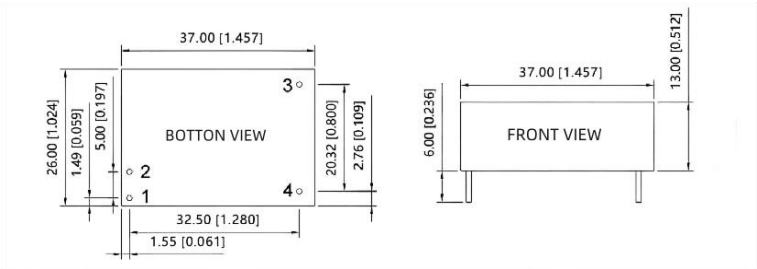


EMC Circuit



Item	Value
FUSE	2A/250V AC Slow-blow fuse
NTC	10D-11
C2	X1 0.1uF 440V
RVD	14D821K
LCM	UU9.8 60mH
C3,C4	Y2 222M 250VAC
C1	CBB Capacitor 104/100V

Dimensions and Recommended Layout



Unit:mm
Pin diameter tolerances:±0.2mm
Other tolerances:±0.5mm

Pins				
Pin	Single			
1	N			
2	L			
3	-Vo			
4	+Vo			