

Features

- 2*2 inch footprint
- Up to 10A output current
- High efficiency up to 88%
- Low output ripple and noise
- Excellent thermal performance
- Adjustable output voltage (-10%~+10%Vo)
- IUVP, OVP, OTP, OCP, SCP



General Specifications

Input Characteristics

Parameter	Specifications
Input voltage Note①	9.5-18Vdc
	36-72Vdc
Remote Control Note②	Positive(Blank), Negative(P)

General Characteristics

Parameter	Specifications
Efficiency	88%(max.)
Operating ambient temperature	-40℃~+70℃
Storage temperature	-40℃~+105℃
Switching Frequency	300kHz
Temperature coefficient	200PPM
Isolation voltage	1500Vdc
Isolation resistance	100MΩ (min.)
Safety	IEC/UL/EN 60950-1, GB4943
MTBF	300khours min. Telcordia SR332 Issue 3, 40℃
Packaging	Through-Hole or SMD

Output Characteristic

Parameter	Specifications
Output power Note①	33-48W
Output voltage Note①	3.3/48Vdc
Output voltage precision	±2%Vo
Output voltage trim logic Note②	Positive (S), Negative (Blank)
Output voltage adjustment range	-10%~+10%Vo
Line regulation	±0.2%
Load regulation	±0.5%
Dynamic response	±5%Vo/200us@25%-50%-75% Io(max.) di/dt=2.5A/μs
Ripple and noise	80mV(typ.)

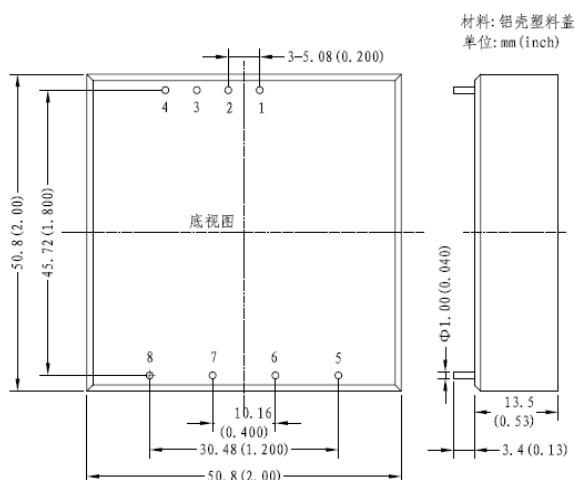
Protection Characteristic

Parameter	Specifications
Input under voltage protection	Yes
Output over voltage protection	Hiccup mode Automatic recovery
Over current protection	Hiccup mode Automatic recovery
Short circuit protection	Hiccup mode Automatic recovery
Over temperature protection	Hiccup mode Automatic recovery

Note① Refer to order-information list in the following page for specific values of input and output

Note② Refer to the production naming rules

Outline Diagram (Unit:mm[inch])



Pin Designations

Pin No.	Symbol	Function
1	+Vin	Positive input voltage
2	-Vin	Negative input voltage
3	NP	No pin
4	REM	Remote control
5	NP	No pin
6	Vo1	Positive output voltage
7	GND	Output ground
8	TRIM	Output voltage trim

Order information

产品型号	输入电压	输出电压	输出电流	输出功率	效率	尺寸
LDB40-48S3V3	36-72Vdc	3.3Vdc	10A	33W	88%	2*2 inch
LDB40-12S48	9.5-18Vdc	48Vdc	1A	48W	84%	2*2 inch

Note: All information contained in this datasheet is subject to change without notice, please visit our official website www.suplet.com for the latest information and refer to the user manual for more details.