

Features

- DIP24 footprint
- Up to 1A output current
- High efficiency up to 78%
- Low output ripple and noise
- Excellent thermal performance
- IUVP, OVP, OTP, OCP, SCP
- RoHS2.0



General Specifications

Input Characteristics

Parameter	Specifications
Input voltage 注①	36-72Vdc
Remote Control 注②	Positive (Blank), Negative (P)

General Characteristics

Parameter	Specifications
Efficiency	78%(max.)
Operating ambient temperature	-25℃~+55℃
Storage temperature	-25℃~+95℃
Switching Frequency	300kHz
Temperature coefficient	200PPM
Isolation voltage	1500Vdc
Isolation resistance	100MΩ (min.)
Safety	IEC/UL/EN 60950-1, GB4943
MTBF	2Mhours min. Telcordia SR332 Issue 3, 40℃
Packaging	Through-Hole

Output Characteristic

Parameter	Specifications
Output power 注①	5W
Output voltage 注②	5.05Vdc
Output voltage precision	±1%Vo
Line regulation	±0.2%
Load regulation	±0.5%
Dynamic response	±3%Vo/300us@25%-50%-25%,50%-75%-50% Io(max.) di/dt=2.5A/μs
Ripple and noise	50mV

Protection Characteristic

Parameter	Specifications
Over current protection	Hiccup mode Automatic recovery
Short circuit protection	Hiccup mode Automatic recovery

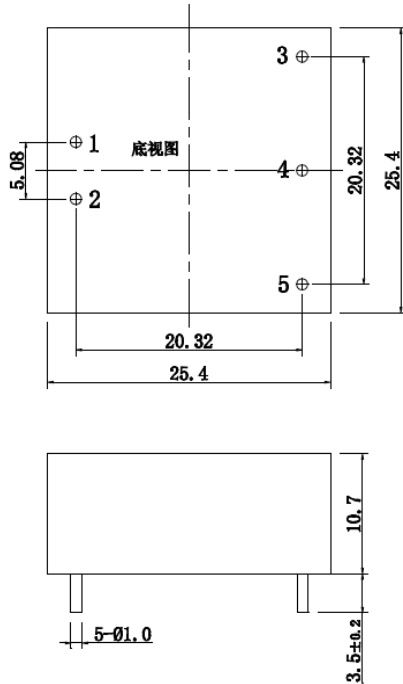
Note① Refer to order-information list in the following page for specific values of input and output

Note② Refer to the production naming rules

Outline Diagram (Unit:mm[inch])

材质: 铝壳塑料盖

单位: mm



Pin Designations

Pin No.	Symbol	Function
1	+Vin	Positive input voltage
2	-Vin	Negative input voltage
3	Vo1	Positive output voltage
4	NP	No pin
5	GND	Negative output voltage

Order information

MPN	Input voltage	Output voltage	Output current	Power	Efficiency	Physical Dimensions
LDB5-48S5	36-72Vdc	5.05Vdc	1A	5W	78%	DIP24

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.