

■ Features:

- Compact size
- Universal Input:85 - 265VAC/100 - 370VDC
- High efficiency, high reliability
- Regulated output, Low ripple & noise
- Plastic case: 36*48*23mm
- Output short-circuit, over-current protection
- Low standby power consumption, environment friendly
- PCB mounting
- 3-year warranty



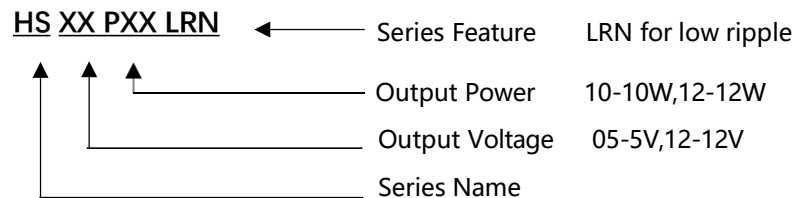
■ Application:

- Industrial electrical equipment
- Mechanical equipment
- Industrial automation equipment
- Handheld electronic equipment
- Wireless network
- Telecommunications/data communication
- Instrument

■ Product description:

HS series—a 36W compact size power converter offered by HIECUBE. It features universal input voltage, taking both DC and AC input voltage, low power consumption, Low ripple & noise, high efficiency, high reliability, It offers good EMC performance, and widely used in industrial, electricity, instruments, telecommunication and civil applications.

■ Product model description:



■ Input Specifications:

Item	Voltage Range	Input Current@110V	Input Current@220	Power Factor	Start time
HS09P36SR	85V~265VAC 100V~370VDC 50/60HZ	< 600mA	< 300mA	< 0.5	< 0.2S
HS12P36SR					
HS15P36SR					
HS20P36SR					
HS24P36SR					
HS28P36SR					
HS36P36SR					

■ Output Specifications:

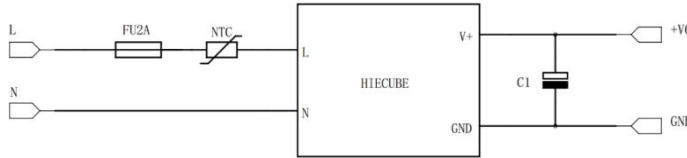
Item	Voltage	Current	Power	Eff (Typ)	Vol accuracy	Load regulation
HS09P36SR	9V	4A	36W	84%	±1%	±1.5%
HS12P36SR	12V	3A		87%		±0.8%
HS15P36SR	15V	2.4A		88%		±0.8%
HS20P36SR	20V	1.8A		88%		±0.8%
HS24P36SR	24V	1.5A		89%		±0.4%
HS28P36SR	28V	1.2A		89%		±0.4%
HS36P36SR	36V	1A		90%		±0.4%

■ General Specifications:

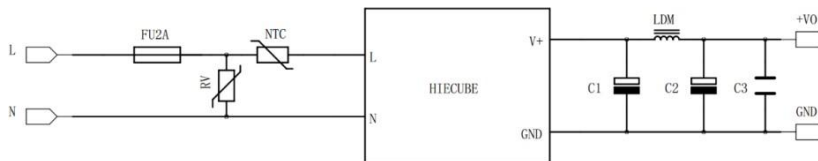
Item	Operating Conditions
Switching Frequency	65KHz
Short Circuit Protection	Hiccups, continuous, self-recovery
Over-load Protection	> Load110%, self-recovery
Overheat Protection	higher than 80°C (±4°C)
Isolation voltage	Input-Output 3000VAC /1min
Operating Temperature	-30~60°C
Storage Temperature	-40~70°C
Weight	90g(±2g)
Package Dimensions	36*48*23mm
Casing Material	Black flame-retardant and heat-resistant plastic
Cooling Method	Free air convection
Safety Class	CLASS II

■ Design Reference:

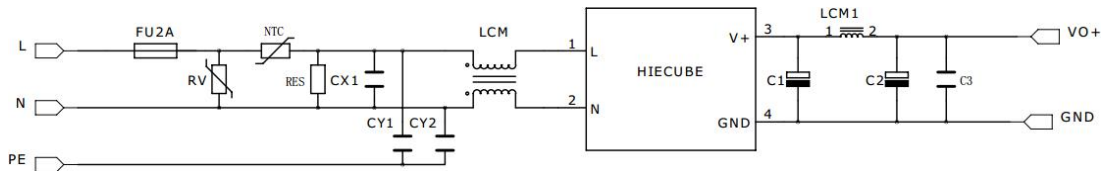
1. Typical application circuit:



2. Low ripple application circuit:



3. EMC application circuit:



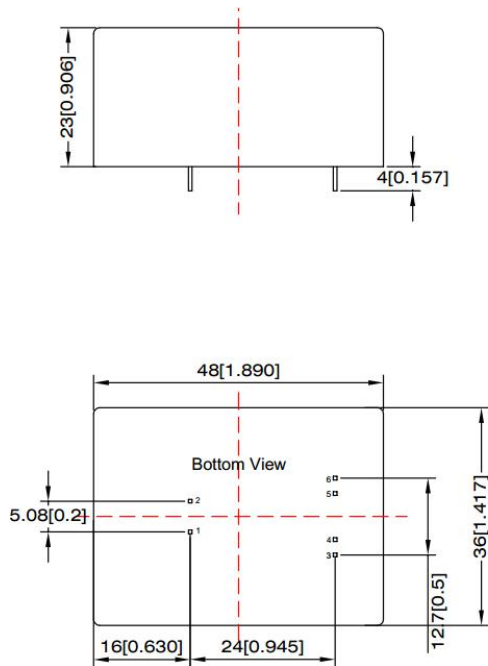
Peripheral component parameters

INPUT		
Component name		Parameter
FU2A	FUSE	2A /250V
RV	Mov	14D471K
NTC	Thermistor	10D-11
RES	Discharge resistor	1MΩ/1W
LCM	Common-mode inductor	UU9.8
CX1	Safety capacitance	0.33uF/275V
CY1 CY2	Y2 capacitance	222M/250V

OUTPUT				
VOUT	C1	C2	LDM	C3
5V/6V	16V/1000uF	16V/1000uF	Rod inductance	CBB Capacitance 104/50V
9V	25V/680uF	25V/680uF		
12V				
15V				
20V	35V/470uF	35V/470uF		
24V				
28V				



Outline Dimensions & Pin connection



Pin-Out	
Pin	Function
1	AC/N
2	AC/L
3、4	Vo+
5、6	GND

Unit: mm[inch]

Note:

1. All index testing methods in this datasheet are based on our Company' s corporate standards;
2. Unless otherwise specified, parameters in this datasheet were measured under the conditions of Ta=25°C, humidity<75% with nominal input voltage and rated output load;

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