



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Model name

KS 15-5

Name of series

Nominal output voltage

Nominal output power

Features

- Compact on-board type AC-DC power supply
Input 85 ~ 132VAC
- Wide Variation
Output power: 5W, 10W, 15W types
Output voltage: 5V, 12V, 15V types
- Over current and Over voltage protection
- 1 year warranty

Specifications

1. Input voltage range	85 ~ 132VAC(47 ~ 440Hz), 110 ~ 175VDC
2. Output voltage range	Fixed
3. Cooling	Convection cooling
4. Operating temperature (Standard mounting)	-10 ~ +70°C -10°C: 80%, 0 ~ +50°C: 100%, +60°C: 60%, +70°C: 25%
5. Withstand voltage	Input-output, input-FG: 2kVAC, output-FG: 500VAC for 1 min.
6. Safety standard	Approved by UL1950  , CSA950  (KS10: Approved by CSA234 )
7. EMI	Conforms to FCC class B and VCCI-class A
8. Functions	Over voltage protection (Zener diode clamp), Over current protection

Product lineup

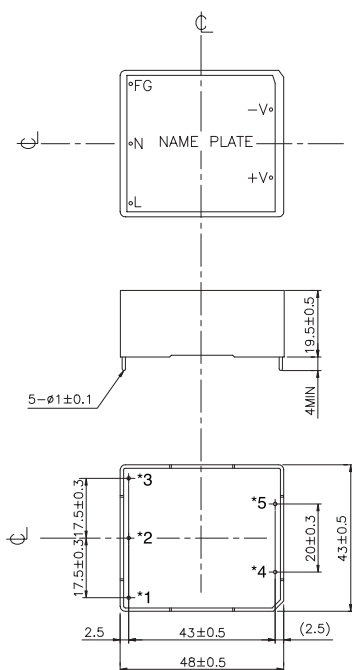
Model	Type	Output voltage	Output current	Output power	UL	CSA
KS5	KS5-5	5V	1.0A	5.0W	○	○
	KS5-12	12V	0.45A	5.4W	○	○
KS10	KS10-5	5V	2.0A	10.0W	○	○
	KS10-12	12V	0.9A	10.8W	○	○
KS15	KS15-5	5V	3.0A	15.0W	○	○
	KS15-12	12V	1.3A	15.6W	○	○

- Request customer specification for further details of specifications, outline, characteristics, etc.
Read the instruction manual before usage.
- Contact us about delivery before ordering.

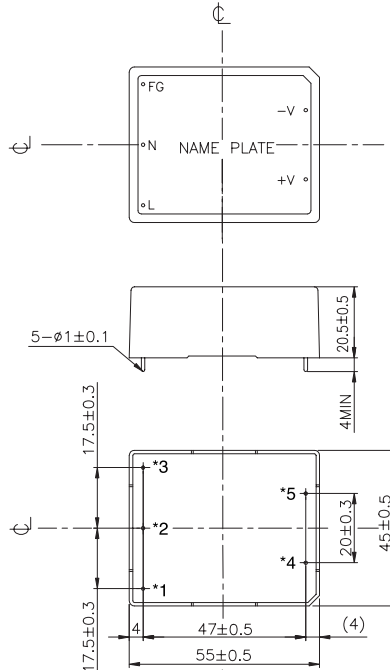
○ : Safety standard approved

Outline drawing

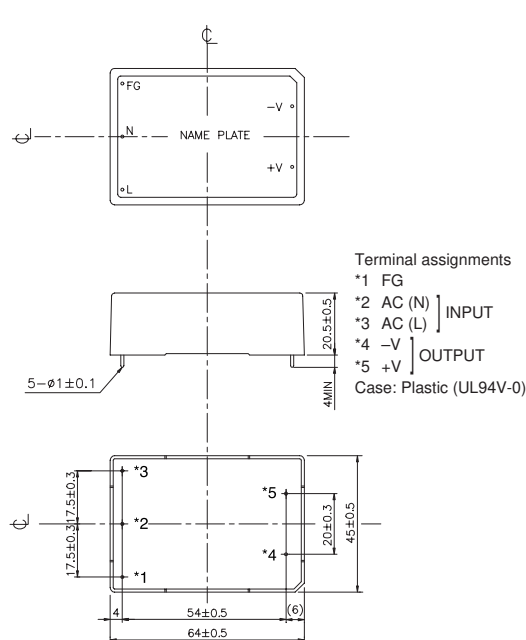
KS5



KS10



KS15



Terminal assignments
*1 FG
*2 AC (N) INPUT
*3 AC (L) INPUT
*4 -V OUTPUT
*5 +V OUTPUT
Case: Plastic (UL94V-0)

(Unit: mm)

KWS-SERIES

Single output 5W ~15W
AC-DC on-board type power supply

LAMBDA
DENSEI-LAMBDA



■ Model name
KWS 5-5
Name of series Nominal output voltage
Nominal output power

- Features
- CE marking (Low Voltage Directive)
 - Compact on-board type AC-DC power
Input 85 ~ 265VAC universal input
 - Wide Variation
Output power: 5W, 10W, 15W types
Output voltage: 5V, 12V, 15V types
 - Over current and Over voltage protection
 - 1 year warranty

Specifications

1. Input voltage range	85 ~ 265VAC(47 ~ 440Hz), 110 ~ 340VDC
2. Output voltage range	Fixed
3. Cooling	Convection cooling
4. Operating temperature (Standard mounting)	-10 ~ +70°C -10°C: 80%, 0 ~ +50°C: 100%, +60°C: 60%, +70°C: 25%
5. Withstand voltage	Input-output: 3kVAC, Input-FG: 2kVAC, Output-FG: 500VAC for 1 min.
6. Safety standard	Approved by UL1950  , CSA950  (KWS5: Approved by CSA234 ) and EN60950(TÜV) 
7. EMI	Conforms to FCC class B and VCCI-class A
8. Functions	Over voltage protection (Zener diode clamp), Over current protection

Product lineup

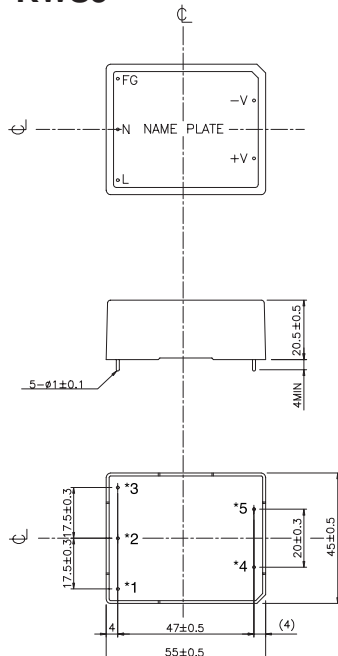
Model	Type	Output voltage	Output current	Output power	UL	CSA	EN
KWS5	KWS5-5	5V	1.0A	5.0W	○	○	○
	KWS5-12	12V	0.45A	5.4W	○	○	○
	KWS5-15	15V	0.35A	5.25W	○	○	○
KWS10	KWS10-5	5V	2.0A	10.0W	○	○	○
	KWS10-12	12V	0.9A	10.8W	○	○	○
	KWS10-15	15V	0.7A	10.5W	○	○	○
KWS15	KWS15-5	5V	3.0A	15.0W	○	○	○
	KWS15-12	12V	1.3A	15.6W	○	○	○
	KWS15-15	15V	1.0A	15.0W	○	○	○

- Request customer specification for further details of specifications, outline, characteristics, etc.
Read the instruction manual before usage.
- Contact us about delivery before ordering.

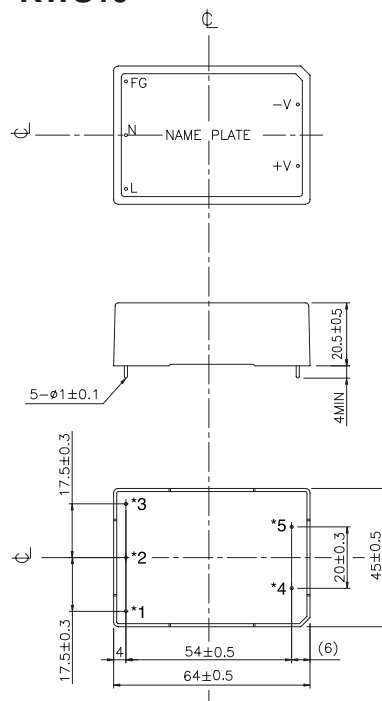
○ : Safety standard approved

Outline drawing

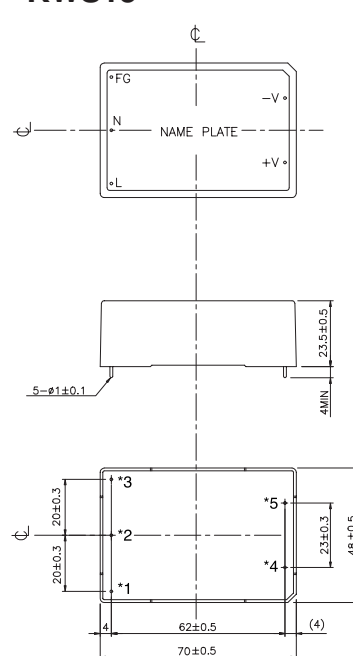
KWS5



KWS10



KWS15



Terminal assignments
 *1 FG
 *2 AC (N)
 *3 AC (L) } INPUT
 *4 -V
 *5 +V } OUTPUT
 Case: Plastic (UL94V-0)

(Unit: mm)

KWD-SERIES

Dual output 5W ~15W
AC-DC on-board type power supply

LAMBDA 
DENSEI-LAMBDA



CE (Low Voltage Directive)

1 year warranty

Model name

KWD 15-1515

Name of series

Nominal output power

Nominal output voltage
1212: $\pm 12V$
1515: $\pm 15V$

Features

- CE marking (Low Voltage Directive)
- Compact on-board type AC-DC power
Input 85 ~ 265VAC universal input
- Wide Variation
Output power: 5W, 10W, 15W types
Output voltage: $\pm 12V$, $\pm 15V$ types
- Over current and Over voltage protection
- 1 year warranty

Specifications

1. Input voltage range	85 ~ 265VAC(47 ~ 440Hz), 110 ~ 340VDC
2. Output voltage range	Fixed
3. Cooling	Convection cooling
4. Operating temperature (Standard mounting)	-10 ~ +70°C -10°C: 80%, 0 ~ +50°C: 100%, +60°C: 60%, +70°C: 25%
5. Withstand voltage	Input-output: 3kVAC, Input-FG: 2kVAC, Output-FG: 500VAC for 1 min.
6. Safety standard	Approved by UL1950  , CSA950  (KWD5: Approved by CSA234 )
7. EMI	Conforms to FCC class B and VCCI-class B
8. Functions	Over voltage protection (CH2 only: Zener diode clamp), Over current protection

Product lineup

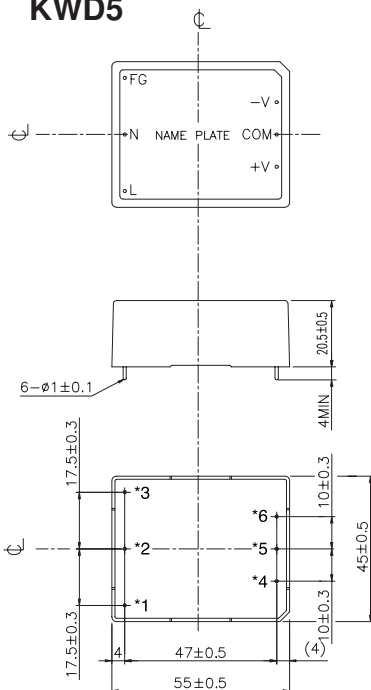
Model name		CH	Output voltage	Output current	Output power	UL	CSA	EN
KWD5	KWD5-1212	1	+12V	0.22A	5.3W	○	○	○
		2	-12V	0.22A				
	KWD5-1515	1	+15V	0.18A	5.4W	○	○	○
		2	-15V	0.18A				
KWD10	KWD10-1212	1	+12V	0.45A	10.6W	○	○	○
		2	-12V	0.45A				
	KWD10-1515	1	+15V	0.36A	10.8W	○	○	○
		2	-15V	0.36A				
KWD15	KWD15-1212	1	+12V	0.65A	15.6W	○	○	○
		2	-12V	0.65A				
	KWD15-1515	1	+15V	0.52A	15.6W	○	○	○
		2	-15V	0.52A				

- Request customer specification for further details of specifications, outline, characteristics, etc.
Read the instruction manual before usage.
- Contact us about delivery before ordering.

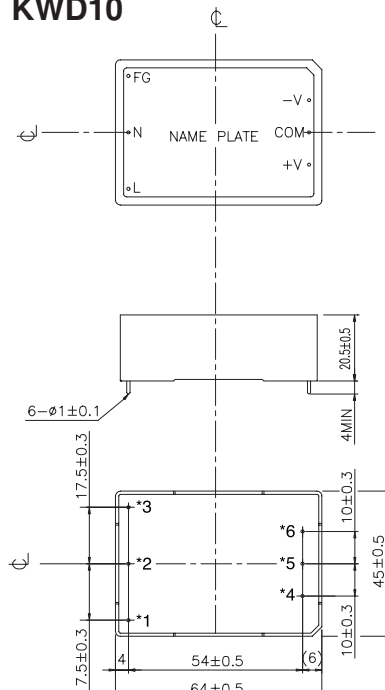
○ : Safety standard approved

Outline drawing

KWD5



KWD10



KWD15

