

KS-SERIES

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



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

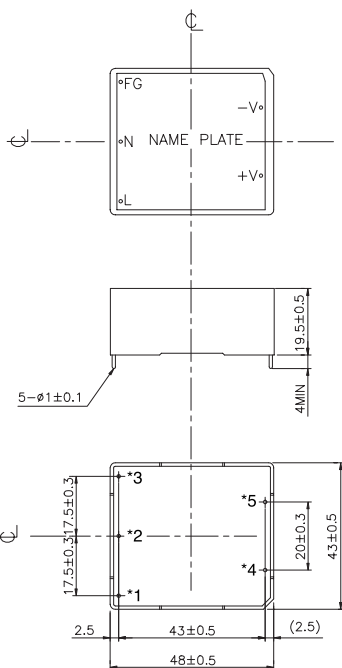
| Model | Type | Output voltage | Output current | Output power | UL | CSA |
|-------|---------|----------------|----------------|--------------|----|-----|
| KS5 | KS5-5 | 5V | 1.0A | 5.0W | ○ | ○ |
| | KS5-12 | 12V | 0.45A | 5.4W | ○ | ○ |
| KS10 | KS10-5 | 5V | 2.0A | 10.0W | ○ | ○ |
| | KS10-12 | 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.

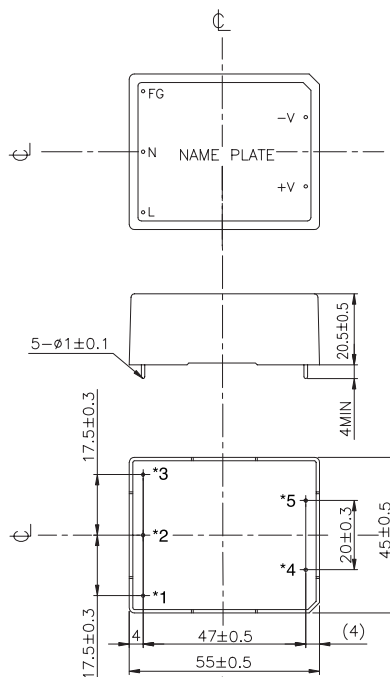
○ : Safety standard approved

Outline drawing

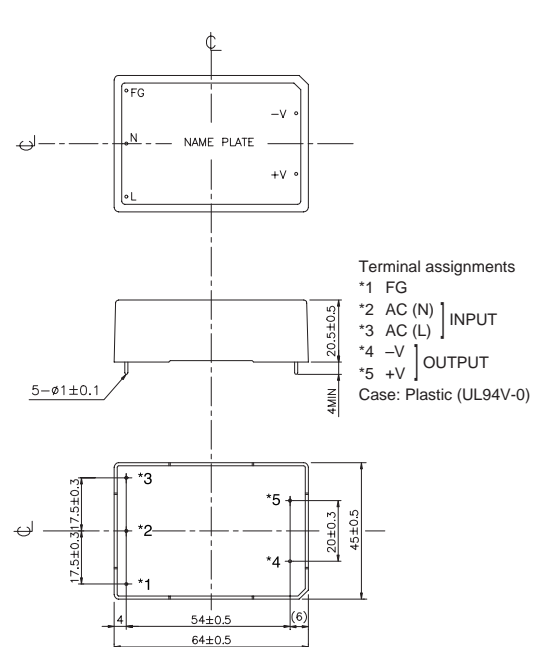
KS5



KS10



KS15



(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: KWS
Nominal output voltage: 5
Nominal output power: 5

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

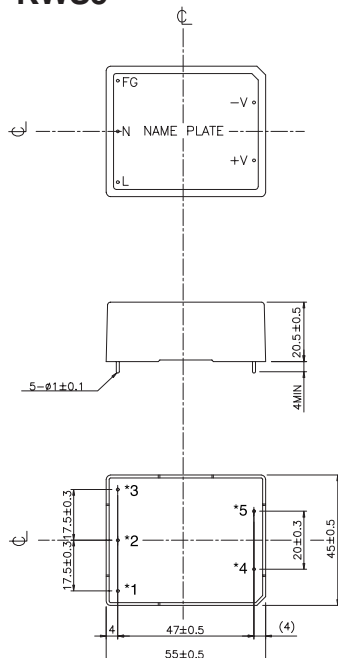
| Model | Type | Output voltage | Output current | Output power | UL | CSA | EN |
|-------|----------|----------------|----------------|--------------|----|-----|----|
| KWS5 | KWS5-5 | 5V | 1.0A | 5.0W | ○ | ○ | ○ |
| | KWS5-12 | 12V | 0.45A | 5.4W | ○ | ○ | ○ |
| | KWS5-15 | 15V | 0.35A | 5.25W | ○ | ○ | ○ |
| 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.

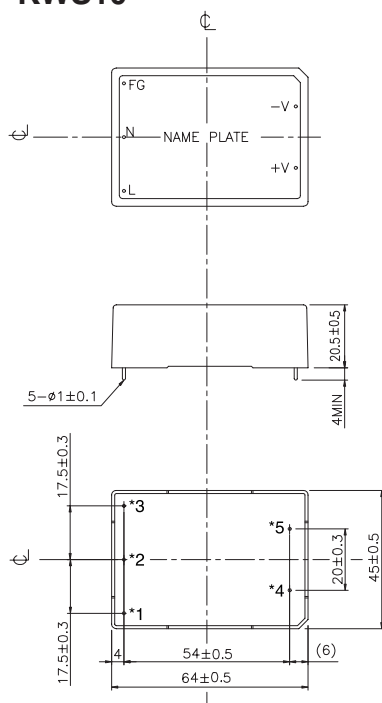
○ : Safety standard approved

Outline drawing

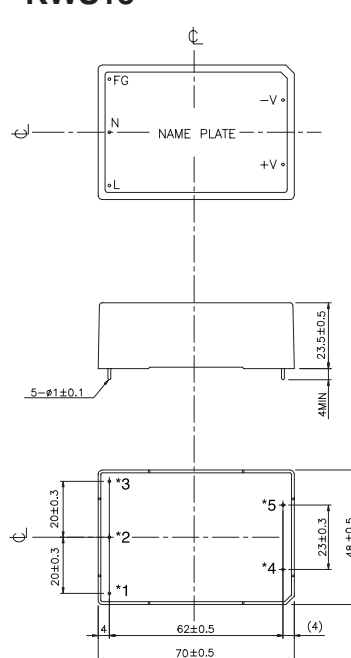
KWS5



KWS10



KWS15



Terminal assignments

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

(Unit: mm)

On-Board Type Power Supply

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: ±12V
1515: ±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: ±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: 3kVA, 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

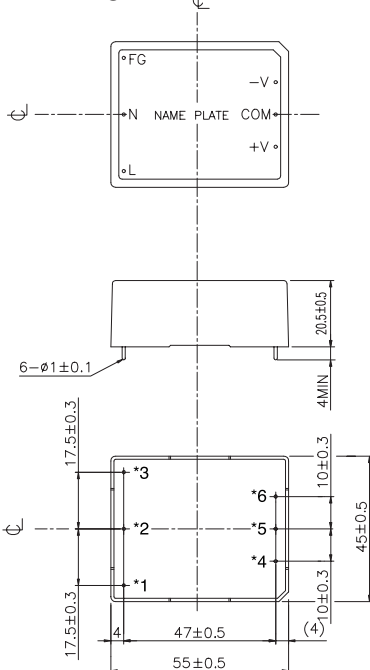
| Model name | | CH | Output voltage | Output current | Output power | UL | CSA | EN |
|------------|------------|----|----------------|----------------|--------------|----|-----|----|
| KWD5 | KWD5-1212 | 1 | +12V | 0.22A | 5.3W | ○ | ○ | ○ |
| | | 2 | -12V | 0.22A | | | | |
| | KWD5-1515 | 1 | +15V | 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.

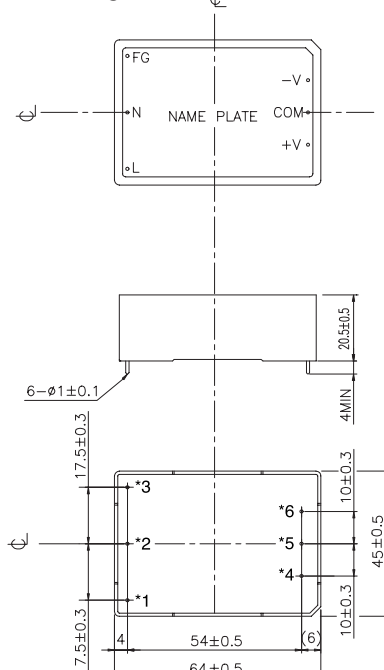
○ : Safety standard approved

Outline drawing

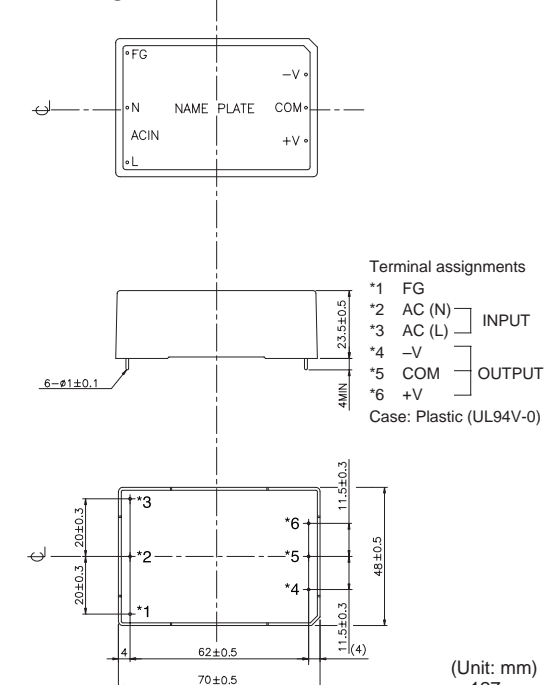
KWD5



KWD10



KWD15



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

(Unit: mm)
127