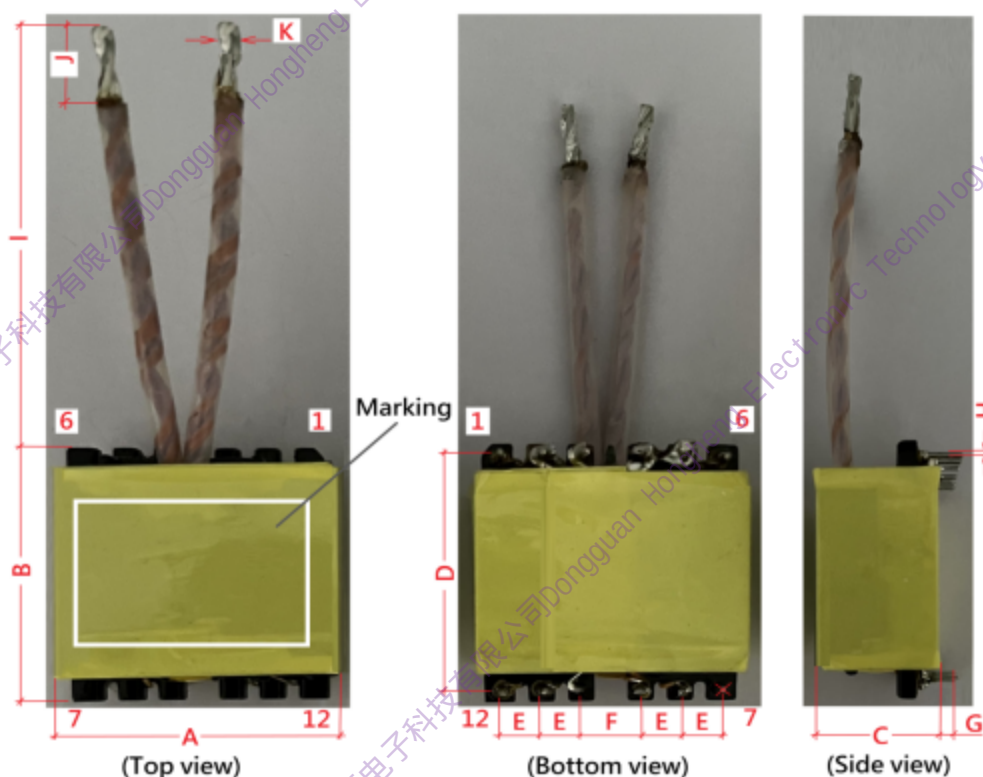


**Features:**

- Designed for AC/DC Transformer suppliers or controllers for the application of 12V/22.1A (265 Watts).
- Operates in condition model with 200 to 240Vac input.
- Output: Second with DC12V/20A up to 22.1A ( 265W Max.).
- Aux. and Flyback available;
- Ferrite core with very low power loss used, good performance in frequency range up to 400kHz.
- Very low DC resistance and power loss.
- 3000Vrms, one minutes isolation between Primary and Secondary.
- 17.0mm Max. height only.
- NT Weight: 48g.
- Operating temperature range: -40°C to +155°C (Including coil temperature rise due to self-generated heat).
- Storage temperature range: -20°C to +85°C.
- RoHS Compliant.

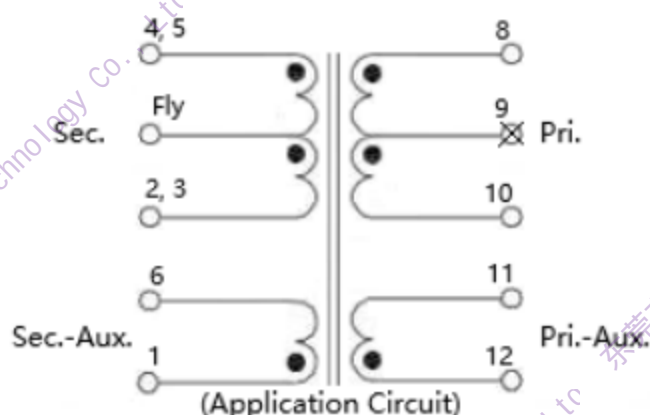
**Mechanical (Unit: mm):**

|   |                         |
|---|-------------------------|
| A | 34.5 Max.               |
| B | 35.0Max.                |
| C | 17.0 Max.<br>(16.7Typ.) |
| D | 30.5±0.3                |
| E | 5.0±0.2                 |
| F | 7.6±0.2                 |
| A | 34.5 Max.               |
| G | 4.0±0.5                 |
| H | Ø0.8±0.0.5              |
| I | 50.0±2.0                |
| J | 6.0±2.0                 |
| K | Ø2.2 Ref.               |

12V/22.1A  
P33G-220626  
HHd -YYWW

YYWW: Week number  
(Marking)

Solder-bridge between P2 and P3, P4 and P5 is acceptable.

**Application Circuit, Electrical characteristics:**

P7: cut off.  
P9: cut off 2/3  
Fly: Fly-in & Fly-out short.

| Item                      | Between                                                                                      | Spec.                                          | Test condition             | Remarks     |
|---------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------|-------------|
| 1. Inductance(uH)         | P8-P10                                                                                       | 420 $\pm$ 6%                                   | 100kHz/0.3Vrms             | 100% test   |
|                           | P8-P9                                                                                        | 111 $\pm$ 10%                                  | 100kHz/0.3Vrms,            | Sample test |
|                           | P9-P10                                                                                       | 98.5 $\pm$ 10%                                 | test before P9 cut off 2/3 | Sample test |
|                           | P12-P11                                                                                      | 3.75 $\pm$ 10%                                 | 100kHz/0.3Vrms             | 100% test   |
|                           | (P4,P5)-(P2,P3)                                                                              | 6.20 $\pm$ 10%                                 | 100kHz/0.3Vrms,            | 100% test   |
|                           | (P4,P5)-Fly-out                                                                              | 1.65 $\pm$ 10%                                 | Fly-in & Fly-out short     | Sample test |
|                           | Fly-in-(P2,P3)                                                                               | 1.65 $\pm$ 10%                                 | 100kHz/0.3Vrms             | Sample test |
|                           | F1-P6                                                                                        | 3.75 $\pm$ 10%                                 | 100kHz/0.3Vrms             | 100% test   |
| 2. Q (Unload)             | P8-P10                                                                                       | 250 Ref.                                       | 100kHz/0.3Vrms,            | Sample test |
| 3. Leakage inductance(uH) | P8-P10                                                                                       | 12.0 Max.<br>(9.0 Typ.)                        | 100kHz/0.3Vrms,            | 100% test   |
| 4. DCR(mOhm)              | P8-P10                                                                                       | 246 $\pm$ 8%                                   | @25 °C                     | 100% test   |
|                           | P8-P9                                                                                        | 150 $\pm$ 8%                                   | 100kHz/0.3Vrms,            | Sample test |
|                           | P9-P10                                                                                       | 96 $\pm$ 8%                                    | test before P9 cut off 2/3 | Sample test |
|                           | P12-P11                                                                                      | 243 $\pm$ 8%                                   | @25 °C                     | 100% test   |
|                           | (P4,P5)-(P2,P3)                                                                              | 6.30 $\pm$ 8%                                  | @25 °C,                    | 100% test   |
|                           | (P4,P5)-Fly-out                                                                              | 3.25 $\pm$ 8%                                  | Fly-in & Fly-out short     | Sample test |
|                           | Fly-in-(P2,P3)                                                                               | 3.05 $\pm$ 8%                                  | @25 °C                     | Sample test |
|                           | F1-P6                                                                                        | 243 $\pm$ 8%                                   | @25 °C                     | 100% test   |
| 5. Turns ratio            | (P8-P10):(P12-P11):((P4,P5)-(P2,P3)):(P1-P6)=33:3:4:3 ( $\pm$ 3%),<br>Fly-in & Fly-out short |                                                |                            | 100% test   |
| 6. Hi-Pot                 | Pri.-Sec.                                                                                    | 3.0kVac/0.5mA/1Min., or<br>3.3kVac/0.5mA/3Sec. |                            | 100% test   |
|                           | Coils-Core                                                                                   | 1.7kVac/0.5mA/1Min., or<br>1.5kVac/0.5mA/3Sec. |                            | 100% test   |

Remarks:

\* All test data is referenced to 25°C ambient temperature.

\* Test equipment: VC4092B, TH2516B, C3250 or equivalent.

## Packing :

\*Packing Quantity 包装数量 :

| Quantity / Pallet<br>数量 / 盘                                             | Quantity / Inner box<br>数量 / 内盒 | Quantity / Carton box<br>数量 / 外箱 | N.W./ Carton box<br>净重/箱 | G.W./ Carton box<br>毛重/箱 |
|-------------------------------------------------------------------------|---------------------------------|----------------------------------|--------------------------|--------------------------|
| 70 pcs                                                                  | —                               | ( 70 * 4 ) 280pcs                | 13.5kg                   | 15.0kg                   |
| * Packing Quantity may vary depending on the order volume. 包装数量会因订单量而异。 |                                 |                                  |                          |                          |

## \* Label 标签:

All the labels on the inner box and outer box are the same,  
and the format and content of the label is shown as the right table.

外箱、内箱标签相同， 标签的格式和内容如右表所示。

|      |             |
|------|-------------|
| 料号编码 |             |
| 规格型号 | P33G-220626 |
| 数 量  |             |
| 生产批号 |             |