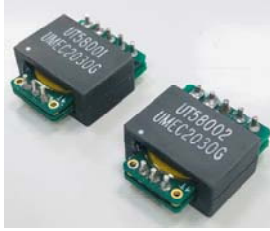


# Planar Transformer(PT140)



- Core Size : ER20P
- Rated Power : 140W
- Dielectric strength : 1500Vdc
- Operating Temperature : -40°C ~ 125°C
- Application : high current power supply

## ELECTRICAL SPECIFICATIONS @25°C

| Model No. | Primary turns |    | Schem. | Primary inductance <sup>2</sup><br>min(μH) | Leakage inductance <sup>3</sup><br>max(μH) | DCR max(mOhms)       |                     |
|-----------|---------------|----|--------|--------------------------------------------|--------------------------------------------|----------------------|---------------------|
|           | N1            | N2 |        |                                            |                                            | Primary              | Secondary           |
| UT58001□  | 4             | 4  | I      | 120                                        | 0.35                                       | 12.0(2-3), 12.0(3-4) | 4.0(6-10)           |
| UT58002□  | 9             | -  | II     | 152                                        | 0.35                                       | 32.8(2-4)            | 4.0(6-10)           |
| UT58003□  | 5             | 5  | I      | 188                                        | 0.35                                       | 20.8(2-3), 20.8(3-4) | 4.0(6-10)           |
| UT58004□  | 11            | -  | II     | 227                                        | 0.35                                       | 48.8(2-4)            | 4.0(6-10)           |
| UT58005□  | 6             | 6  | I      | 270                                        | 0.45                                       | 28.0(2-3), 28.0(3-4) | 4.0(6-10)           |
| UT58006□  | 4             | 4  | III    | 120                                        | 0.35                                       | 12.0(2-3), 12.0(3-4) | 0.5(6-7), 0.5(9-10) |
| UT58007□  | 9             | -  | IV     | 152                                        | 0.35                                       | 32.8(2-4)            | 0.5(6-7), 0.5(9-10) |
| UT58008□  | 5             | 5  | III    | 188                                        | 0.35                                       | 20.8(2-3), 20.8(3-4) | 0.5(6-7), 0.5(9-10) |
| UT58009□  | 11            | -  | IV     | 227                                        | 0.50                                       | 48.8(2-4)            | 0.5(6-7), 0.5(9-10) |
| UT58010□  | 6             | 6  | III    | 270                                        | 0.60                                       | 28.0(2-3), 28.0(3-4) | 0.5(6-7), 0.5(9-10) |
| UT58011□  | 4             | 4  | V      | 120                                        | 0.35                                       | 12.0(2-3), 12.0(3-4) | 1.0(6-8), 1.0(9-10) |
| UT58012□  | 9             | -  | VI     | 152                                        | 0.35                                       | 32.8(2-4)            | 1.0(6-8), 1.0(9-10) |
| UT58013□  | 5             | 5  | V      | 188                                        | 0.35                                       | 20.8(2-3), 20.8(3-4) | 1.0(6-8), 1.0(9-10) |
| UT58014□  | 11            | -  | VI     | 227                                        | 0.35                                       | 48.8(2-4)            | 1.0(6-8), 1.0(9-10) |
| UT58015□  | 6             | 6  | V      | 270                                        | 0.45                                       | 28.0(2-3), 28.0(3-4) | 1.0(6-8), 1.0(9-10) |

### NOTE :

- For RoHS compliant products,
  - Ordering code (Manufacturer Part Number): TG-UT58001
  - Solder : Sn/Ag/Cu;
  - Date Code suffix to "G"
- Inductance measured on an Agilent/HP 4284 between pins 2 and 4 at 200 kHz, 0.1 Vrms, 0 Adc.
- Leakage inductance measured between pins 2 and 4 at 100 kHz, 0.1 Vrms, 0 Adc with all secondary pins shorted.
- To order a transformer with an optional auxiliary winding, add an "□" after the UT58001, e.g. UT58001A. (auxiliary winding □=A=2turns, □=B=3turns, □=C=4turns, □=D=5turns, □=E=7turns, □=F=9turns.)
- UT58001~5 Secondary current 15 A.
  - UT58006~10 Secondary current 30 A.
  - UT58011~15 Secondary(PIN6-8) current 30 A, Secondary(PIN9-10) current 15 A.

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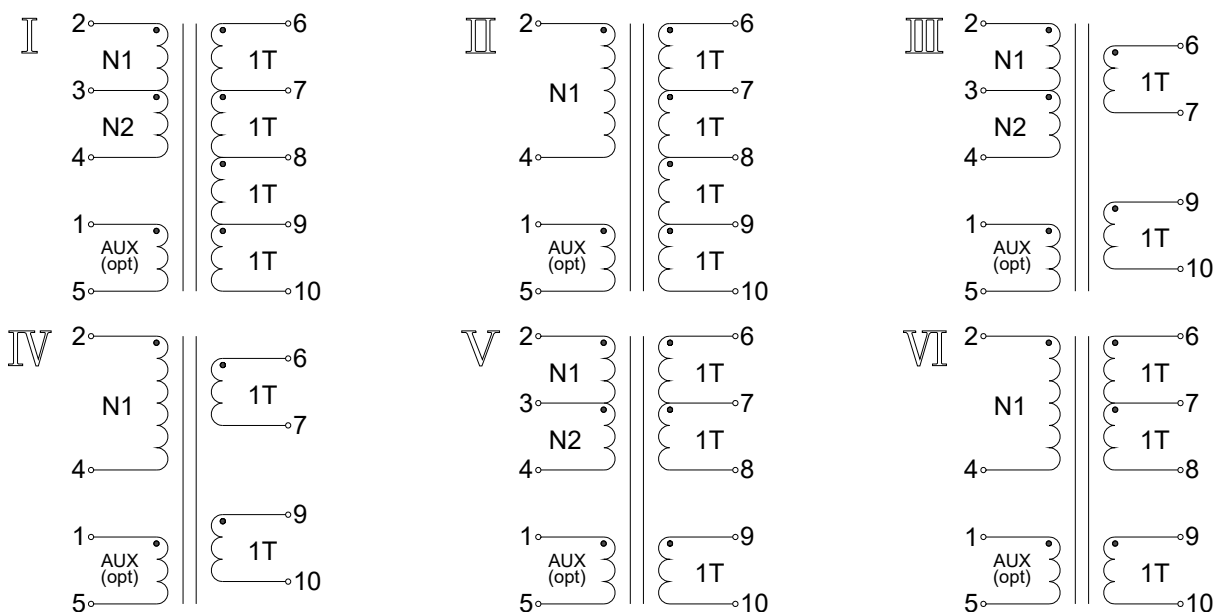
Tél. 01 47 95 99 89  
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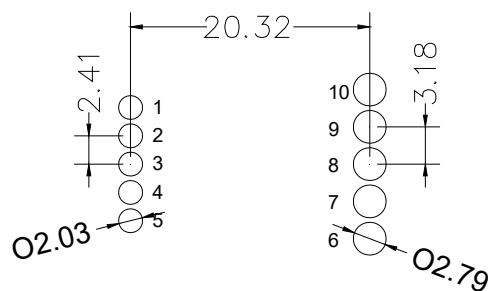
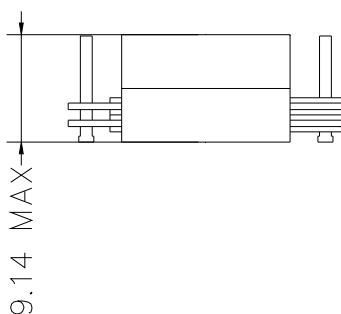
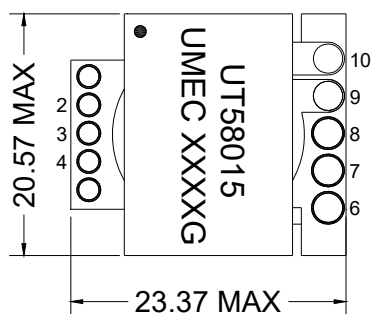
# Planar Transformer(PT140)

## SCHEMATICS



## DIMENSIONS

Green Product



PROPOSE PCB PAD LAYOUT

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\*Specifications are subject to change without prior notice.



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