

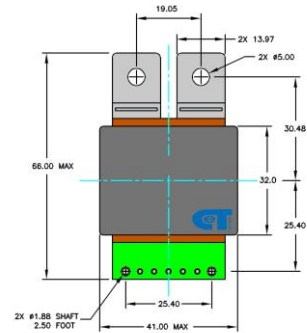
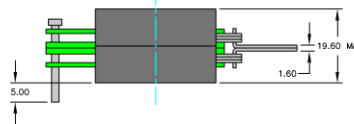
# CET-TP41 SERIES

High Frequency 2.2kWatts  
Planar Transformers

## FEATURES



- Power Rating Up to 2200 Watts
- High Efficiency of Over 98.x%
- High Frequency 50 kHz – 200 kHz
- Footprint 66.00 mm X 41.00 mm
- Lower Profile of 19.60 mm Max
- High Isolation (operational) 5000 Vdc
- Operating Temperature -40° C to +125° C



## ELECTRICAL SPECIFICATIONS

| Part Number | Primary <sup>1</sup> Inductance (uH Min ) | Leakage <sup>2</sup> Inductance ( uH Max ) | DC Resistance (m Ω Max) |   |      |           | Turns Ratio |           | Pri/Sec Hi-Pot | Figure | M. Height     |
|-------------|---|--|-------------------------|---|------|-----------|-------------|-----------|----------------|--------|---------------|
|             |   |  | Primary                 |   |      | Secondary | Primary     | Secondary |                |        |               |
|             |   |  | A                       | B | AUX. |           |             |           |                |        |               |
| TP41D1601   | 1350                                      | 1.00                                       | 30.0                    |   |      | 0.10      | 16T         | 1T        | 5000Vdc        | 1      | 19.60 mm MAX. |
| TP41D1201   | 750.0                                     | 0.60                                       | 25.0                    |   |      | 0.10      | 12T         | 1T        | 5000Vdc        | 1      |               |
| TP41D0302   | 47.0                                      | 0.30                                       | 0.70                    |   |      | 0.25      | 3T          | 2T        | 500Vdc         | 2      |               |
| TP41D1202   | 750.0                                     | 0.60                                       | 25.0                    |   |      | 0.25      | 12T         | 2T        | 5000Vdc        | 3      |               |
| TP41D2402   | 3000                                      | 1.60                                       | 75.0                    |   |      | 0.25      | 24T         | 2T        | 5000Vdc        | 4      |               |
| TP41D1403   | 1000                                      | 0.70                                       | 30.0                    |   |      | 0.70      | 14T         | 3T        | 5000Vdc        | 5      |               |
| TP41D1204   | 750.0                                     | 0.60                                       | 25.0                    |   |      | 1.60      | 12T         | 4T        | 5000Vdc        | 6      |               |
| TP41D0805   | 330.0                                     | 0.36                                       | 5.00                    |   |      | 3.00      | 8T          | 5T        | 500Vdc         | 7      |               |
| TP41D1205   | 750.0                                     | 0.60                                       | 25.0                    |   |      | 3.00      | 12T         | 5T        | 5000Vdc        | 8      |               |
| TP41D1206   | 750.0                                     | 0.60                                       | 25.0                    |   |      | 3.60      | 12T         | 6T        | 5000Vdc        | 8      |               |

- 1.The inductance is measured in primary windings.
- 2.The leakage inductance is measured in primary windings with secondary windings shorted.
- 3.All specifications typical at T<sub>A</sub>=25° C.

## APPLICATION OF CONFIGURATION

| Part Number | Vinput        | Vout & Iout    | Part Number | Vinput        | Vout & Iout    |
|-------------|---------------|----------------|-------------|---------------|----------------|
| TP41D1601   | 180 – 320 Vdc | 3.30Vdc@240.0A | TP41D1403   | 180 – 320 Vdc | 15.0Vdc@65.0A  |
| TP41D1201   | 180 – 320 Vdc | 5.0Vdc@180.0A  | TP41D1204   | 180 – 320 Vdc | 24.0Vdc@42.0A  |
| TP41D0302   | 90 – 160 Vdc  | 12.0Vdc@180.0A | TP41D0805   | 120 – 200 Vdc | 28.0Vdc@ 36.0A |
| TP41D1202   | 180 – 320 Vdc | 12.0Vdc@85.00A | TP41D1205   | 180 – 320 Vdc | 28.0Vdc@36.0A  |
| TP41D2402   | 380 – 410 Vdc | 12.0Vdc@185.0A | TP41D1206   | 180 – 320 Vdc | 34.0Vdc@29.5A  |

# CET-TP41 SERIES

High Frequency 2.2kWatts  
Planar Transformers

## SCHEMATICS

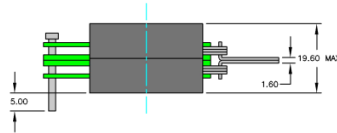
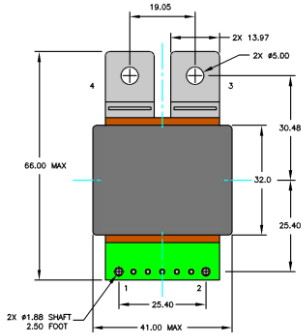


FIGURE 1

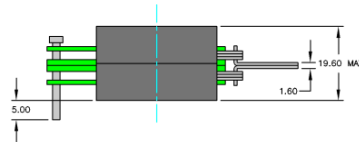
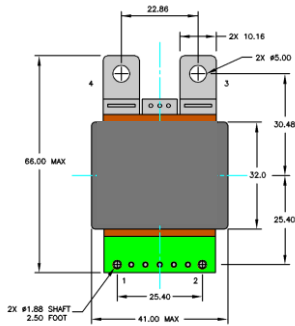
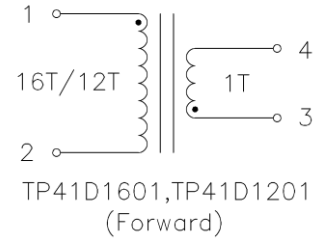


FIGURE 2

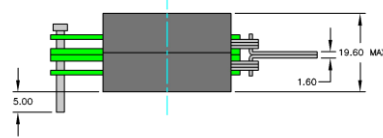
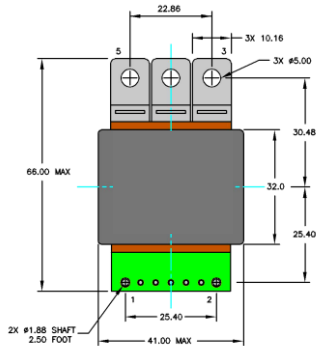
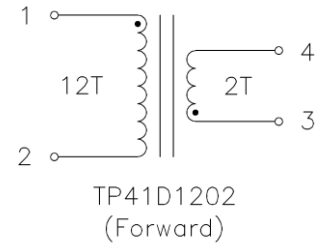


FIGURE 3

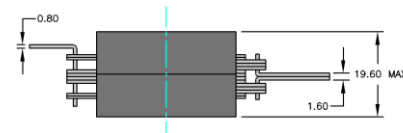
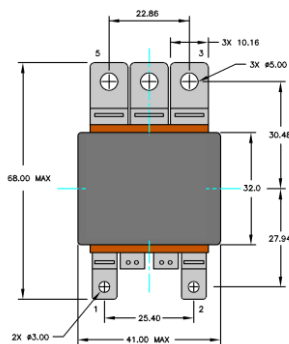
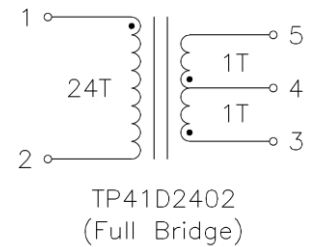
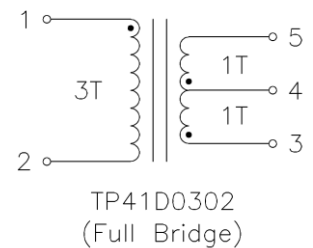


FIGURE 4



# CET-TP41 SERIES

High Frequency 2.2kWatts  
Planar Transformers

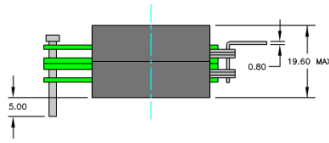
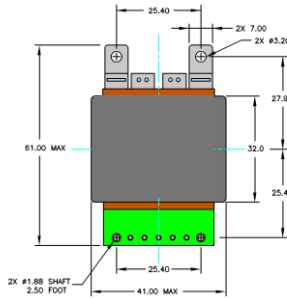
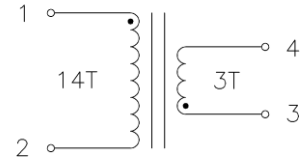


FIGURE 5



TP41D1403  
(Forward)

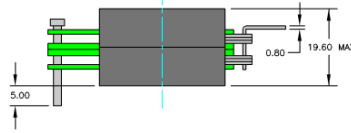
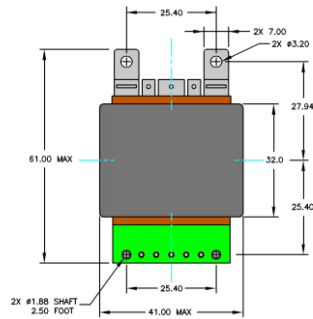
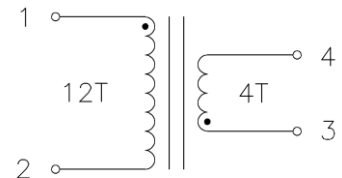


FIGURE 6



TP41D1204  
(Forward)

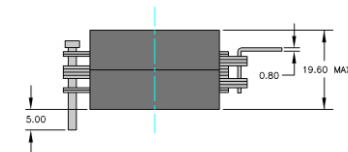
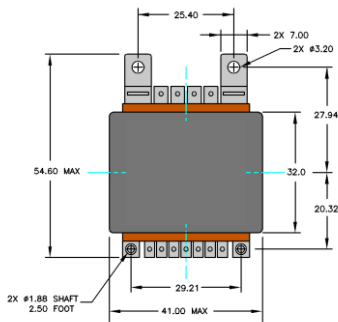
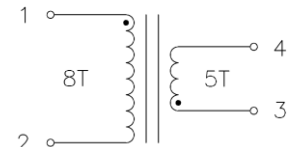


FIGURE 7



TP41D0805  
(Forward)

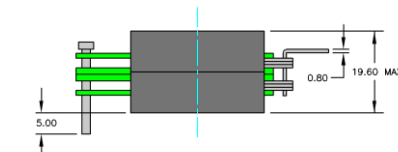
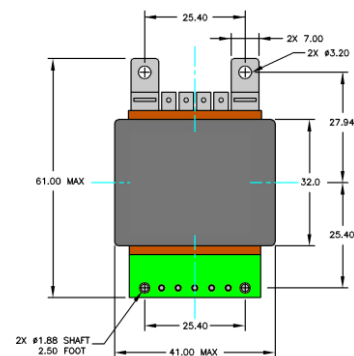
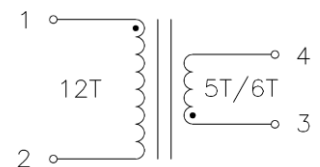


FIGURE 8



TP41D1205, TP41D1206  
(Forward)