

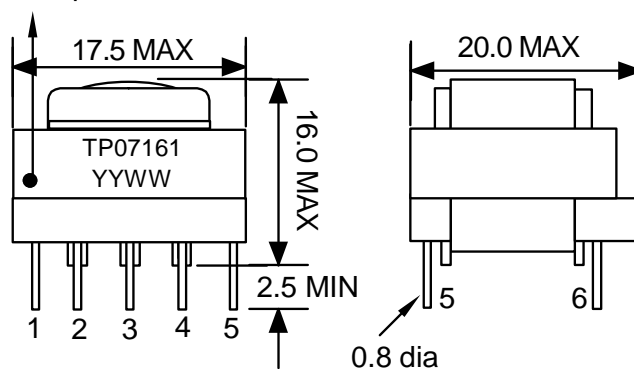
# Data Sheet



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## Mechanical Drawing

Dot for pin 1



unit:mm

## General Information

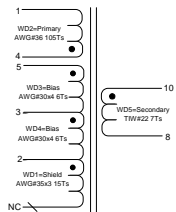
|                                 |                   |
|---------------------------------|-------------------|
| <b>Customer</b>                 |                   |
| <b>Part Number</b>              | TP07161           |
| <b>Revision</b>                 | 4                 |
| <b>Description</b>              | RD158 Transformer |
| <b>Date</b>                     | NOV-10-2010       |
| <b>Reference</b>                | OPP9984           |
| <b>Doc Control #</b>            | 1011-961P         |
| <b>Issue (For ICE use only)</b> | --                |

## Specification

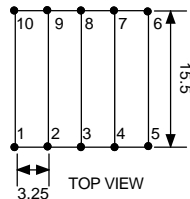
## Sample Test Data

| Item                         | Pins                 | Spec             | Test Condition                                     |                               |  |  |  |
|------------------------------|----------------------|------------------|--|-------------------------------|--|--|--|
| Inductance (HP-4284A)        | 4 - 1                | 1.074 mH +/- 10% | 100 kHz, 0.4 Vrms, series                          |                               |  |  |  |
| Leakage Inductance           | 4 - 1 short (8,10)   | 95 uH max        | 100 kHz, 0.4 Vrms, series                          |                               |  |  |  |
| DCR                          | 4 - 1                | 4.2 Ohm max      | 25 deg C   |                               |  |  |  |
|                              | 5 - 2                | 42 mOhm max      |  |                               |  |  |  |
|                              | 10 - 8               | 19 mOhm max      |  |                               |  |  |  |
| SRF                          | 4 - 1                | 1000 kHz min     |  |                               |  |  |  |
| Voltage Ratio & Phasing Test | 4 - 1                | 1050 mV +/- 3 mV | 10 kHz, i/p: 4 - 8 = 1240 mV, short (1- 5, 2 - 10) |                               |  |  |  |
|                              | 5 - 2                | 120 mV +/- 3 mV  |  |                               |  |  |  |
|                              | 10 - 8               | 70 mV +/- 3 mV   |  |                               |  |  |  |
| Hi - Pot                     | (1,2,3,4,5) - (10,8) |                  | 3000Vac, 60Hz, 1 mA, 1 minute                      |                               |  |  |  |
|                              | 10,8 to Core         |                  |  |                               |  |  |  |
|                              | (1,2,3,4,5) to Core  |                  |  | 1500Vac, 60Hz, 1 mA, 1 minute |  |  |  |

## Schematic



## Footprint



unit:mm

## Remark

1) This is RoHS compliant product.

Sample approval is required before release to production. Sample specifications take precedence over customer specifications.

Customer Signature

| Rev. | Description     | PRD   | CHK       | APP        | Date       | NTFY       |
|------|-----------------|-------|-----------|------------|------------|------------|
| 4    | Initial release | Emily | Cha. Cha. | L. L. Chou | 2010/11/10 | 2010/11/10 |
|      |                 |       |           |            |            |            |
|      |                 |       |           |            |            |            |
|      |                 |       |           |            |            |            |