

Data Sheet



Helping Engineer the Technology of Power

ICE Components, Inc.

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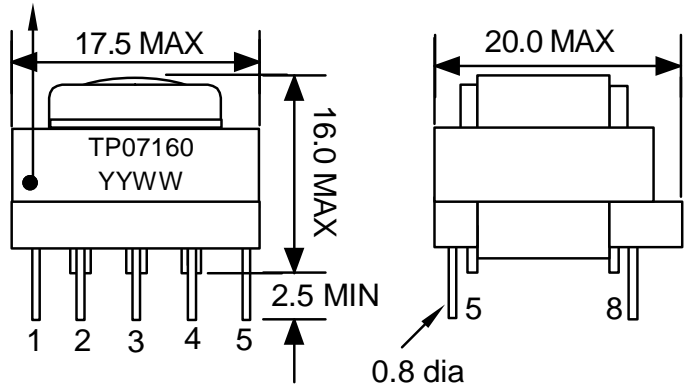
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www.icecomponents.com

1165 Allgood Rd., Ste. #20, Marietta, GA 30062

Mechanical Drawing

Dot for pin 1



unit:mm

General Information

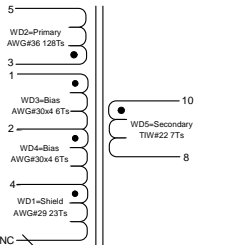
| | |
|---------------------------------|-------------------|
| Customer | |
| Part Number | TP07160 |
| Revision | 2 |
| Description | RD157 Transformer |
| Date | NOV-10-2010 |
| Reference | OPP10663 |
| Doc Control # | 1011-960P |
| Issue (For ICE use only) | -- |

Specification

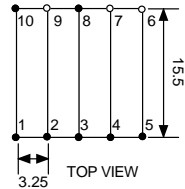
Sample Test Data

| Item | Pins | Spec | Test Condition | | | | |
|------------------------------|----------------------|------------------|--|-------------------------------|--|--|--|
| Inductance (HP-4284A) | 3 - 5 | 2.58 mH +/- 10% | 100 kHz, 0.4 Vrms, series | | | | |
| Leakage Inductance | 3 - 5 short (8,10) | 130 uH max | 100 kHz, 0.4 Vrms, series | | | | |
| DCR | 3 - 5 | 5.5 Ohm max | 25 deg C | | | | |
| | 1 - 4 | 42 mOhm max | | | | | |
| | 10 - 8 | 19 mOhm max | | | | | |
| SRF | 3 - 5 | 500 kHz min | | | | | |
| Voltage Ratio & Phasing Test | 3 - 5 | 1280 mV +/- 3 mV | 10 kHz, i/p: 3 - 8 = 1470 mV, short (5- 1, 4 - 10) | | | | |
| | 1 - 4 | 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

This is RoHS compliant product.

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

| Rev. | Description | PRD | CHK | APP | Date | NTFY |
|------|-----------------|-------|-----------|------------|------------|------------|
| 2 | Initial release | Emily | Cha. Cha. | L. L. Chou | 2010/11/10 | 2010/11/10 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Customer Signature

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