

# Data Sheet



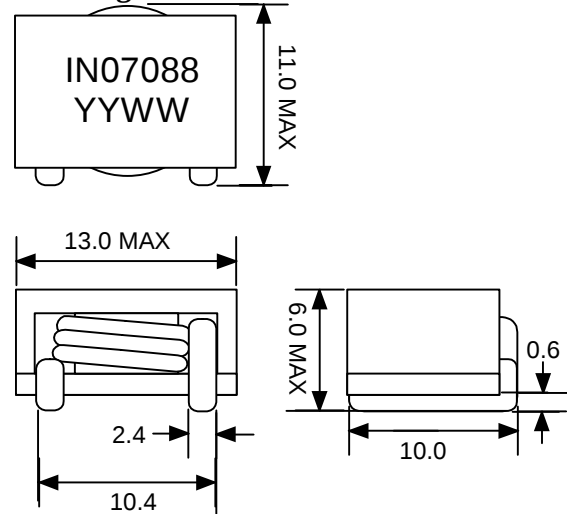
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## General Information

|                                |             |
|--------------------------------|-------------|
| <b>Customer</b>                |             |
| <b>Part Number</b>             | IN07088     |
| <b>Revision</b>                | 0           |
| <b>Description</b>             | Inductor    |
| <b>Date</b>                    | AUG-07-2009 |
| <b>Reference</b>               | --          |
| <b>Doc Control #</b>           | --          |
| <b>Issue(For ICE use only)</b> | --          |

## Mechanical Drawing



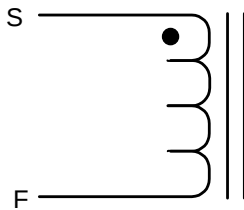
unit:mm

## Specification

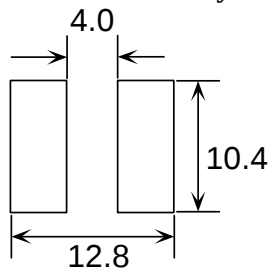
## Sample Test Data

| Item                       | Pins  | Spec                              | Test Condition                  |  |
|----------------------------|-------|-----------------------------------|---------------------------------|--|
| Inductance @0Adc           | S - F | 1.0 uH +/- 10%                    | 100 kHz, 0.1Vrms, series        |  |
| Inductance @Isat at 25degC | S - F | 0.76 uH min                       | 100 kHz, 0.1Vrms, series(25Adc) |  |
| DCR                        | S - F | (1.25 mOhm typ.)<br>1.45 mOhm max | +25 deg C                       |  |
| Isat                       | S - F | 25 Adc                            |                                 |  |
|                            |       |                                   |                                 |  |
|                            |       |                                   |                                 |  |
|                            |       |                                   |                                 |  |
|                            |       |                                   |                                 |  |
|                            |       |                                   |                                 |  |

## Schematic



## Recommended PCB Layout



unit:mm

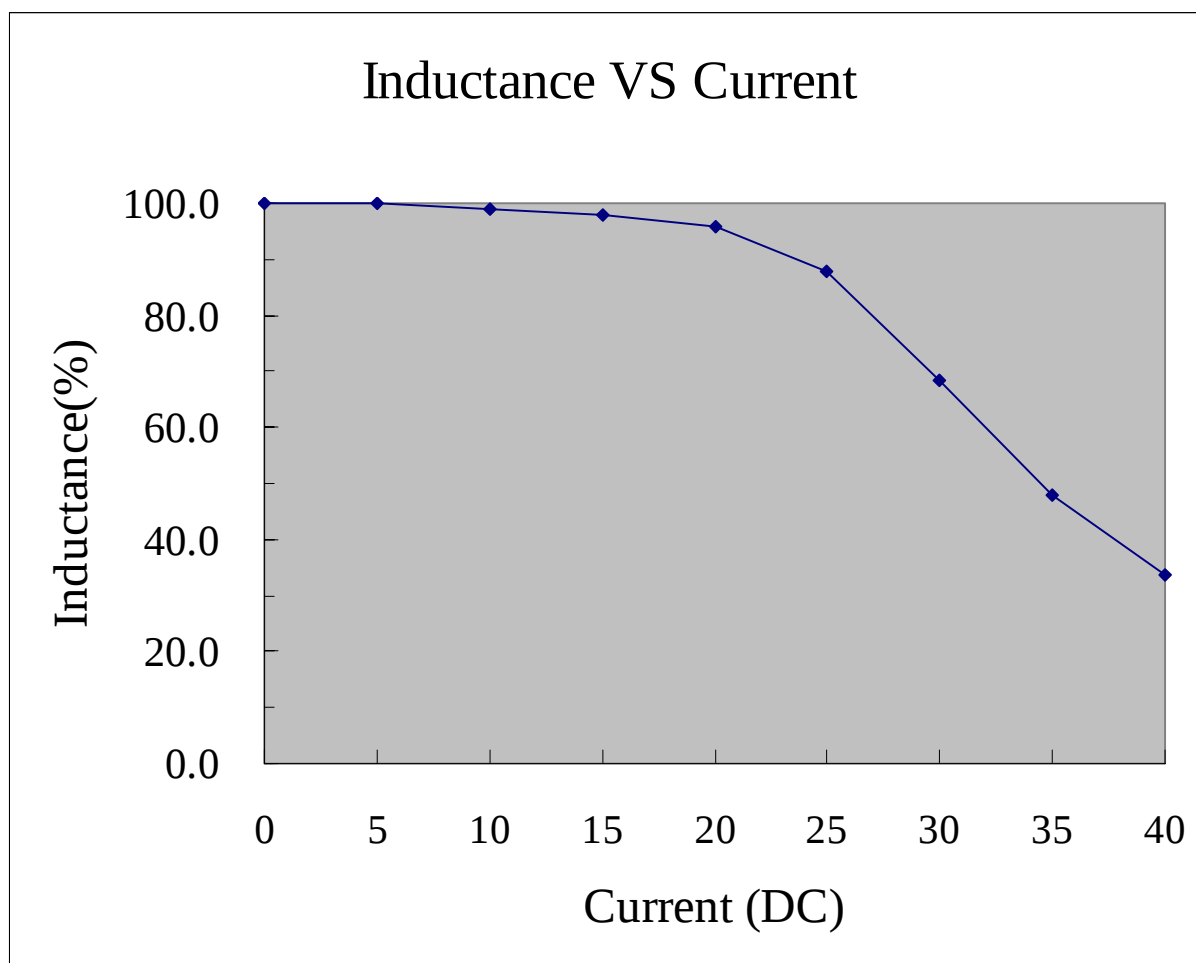
## Remark

1. Isat is the current at which the inductance drops by 15%.
2. This is RoHS compliant product.
3. Operating temperature: -40degC to +125degC.
4. Inductance vs. Current Curve as attached.

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

Customer Signature

| Rev. | Description     | PRD   | CHK  | APP        | Date     | NTFY     |
|------|-----------------|-------|------|------------|----------|----------|
| 0    | Initial release | Emily | Gary | L. L. Chou | 2009/8/7 | 2009/8/7 |
|      |                 |       |      |            |          |          |
|      |                 |       |      |            |          |          |
|      |                 |       |      |            |          |          |



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