

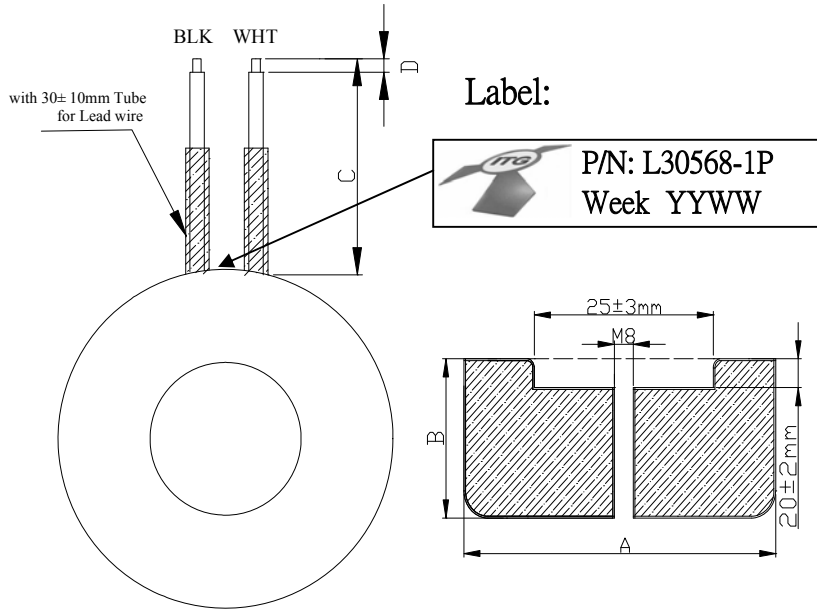


# SPECIFICATION FOR APPROVAL



|             |                                      |         |           |
|-------------|--------------------------------------|---------|-----------|
| CUSTOMER    | *                                    | REV NO  | 1.1       |
| DESCRIPTION | Inductor , 1.15mH , 26A , 46.5mΩ DCR | PAGE NO | 1 of 4    |
| PART NO     | L30568-1P                            | DATE    | 2011.7.13 |

## 1.CONFIGURATIONS & DIMENSIONS:



|   |     |        |    |
|---|-----|--------|----|
| A | 134 | (Max.) | mm |
| B | 78  | (Max.) | mm |
| C | 490 | ± 10   | mm |
| D | 5.0 | (Ref.) | mm |
| E |     |        | mm |
| F |     |        | mm |
| G |     |        | mm |

Note: Accessories

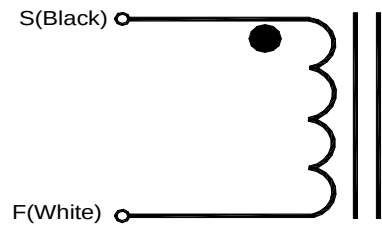
- 1.Screw and Nut: M8 ×70mm × 1SET
2. IRON CAN : 131mm × 75mm × 1PCS
- 3.Leade wire:UL1015 AWG10

## 2.ELECTRICAL CHARACTERISTICS(Ta=25°C):

| TEST                 | CONDITION |      |    |   |           |
|----------------------|-----------|------|----|---|-----------|
| 10KHz 0.25V          | L         | 1.15 | mH | ± | 10%       |
| Ta=25°C              | DCR       | 46.5 | mΩ |   | (Max.)    |
| 10KHz 0.25V Isat=26A | L@Isat    | 0.80 | mH |   | (Typical) |

Note :Isat:Inductance drops approx. 30% with an temperature rise approx. 30°C

## 3.SCHEMATIC DIAGRAM



Note:

- 1.Wire UEW/PEW φ 0.96mm×10P 90 Ts (Ref.).

## 4.TEST INSTRUMENTS

L: WK3260B

DCR:GAIN KAI TA502BCOHM

L@Isat :WK3260B and WK3265B.

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| PART NO     | L30568-1P                            | DATE    | 2011.7.13 |

## 5.TEST DATA FOR MECHANICAL

| TEST<br>ITEM | A<br>mm      | B<br>mm     | C<br>mm        | D<br>mm       | E<br>mm | F<br>mm | G<br>mm | H<br>mm | I<br>mm | J<br>mm |
|--------------|--------------|-------------|----------------|---------------|---------|---------|---------|---------|---------|---------|
| SPEC         | 134<br>(Max) | 78<br>(Max) | 490<br>±<br>10 | 5.0<br>(Ref.) |         |         |         |         |         |         |
| 1            | 130.5        | 76.5        | 492.8          | 4.7           |         |         |         |         |         |         |
| 2            |              |             |                |               |         |         |         |         |         |         |
| 3            |              |             |                |               |         |         |         |         |         |         |
| 4            |              |             |                |               |         |         |         |         |         |         |
| 5            |              |             |                |               |         |         |         |         |         |         |
| 6            |              |             |                |               |         |         |         |         |         |         |
| 7            |              |             |                |               |         |         |         |         |         |         |
| 8            |              |             |                |               |         |         |         |         |         |         |
| 9            |              |             |                |               |         |         |         |         |         |         |
| 10           |              |             |                |               |         |         |         |         |         |         |
| AVERAGE      | 130.50       | 76.50       | 492.80         | 4.70          |         |         |         |         |         |         |

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| DESCRIPTION | Inductor , 1.15mH , 26A , 46.5mΩ DCR | PAGE NO | 3 of 4    |
| PART NO     | L30568-1P                            | DATE    | 2011.7.13 |

## 6.TEST DATA FOR ELECTRICAL

| TEST<br>ITEM | L<br>mH          | DCR<br>mΩ           | L@Isat<br>mH               |  |  |  |  |  |  |
|--------------|------------------|---------------------|----------------------------|--|--|--|--|--|--|
| CONDITION    | 10KHz<br>0.25V   | Ta=25℃              | 10KHz<br>0.25V<br>Isat=26A |  |  |  |  |  |  |
| SPEC         | 1.15<br>±<br>10% | 46.50<br><br>(Max.) | 0.80<br><br>(Typical)      |  |  |  |  |  |  |
| 1            | 1.175            | 40.72               | 0.822                      |  |  |  |  |  |  |
| 2            | 1.154            | 40.58               | 0.808                      |  |  |  |  |  |  |
| 3            |                  |                     |                            |  |  |  |  |  |  |
| 4            |                  |                     |                            |  |  |  |  |  |  |
| 5            |                  |                     |                            |  |  |  |  |  |  |
| 6            |                  |                     |                            |  |  |  |  |  |  |
| 7            |                  |                     |                            |  |  |  |  |  |  |
| 8            |                  |                     |                            |  |  |  |  |  |  |
| 9            |                  |                     |                            |  |  |  |  |  |  |
| 10           |                  |                     |                            |  |  |  |  |  |  |
| AVERAGE      | 1.1645           | 40.650              | 0.8150                     |  |  |  |  |  |  |

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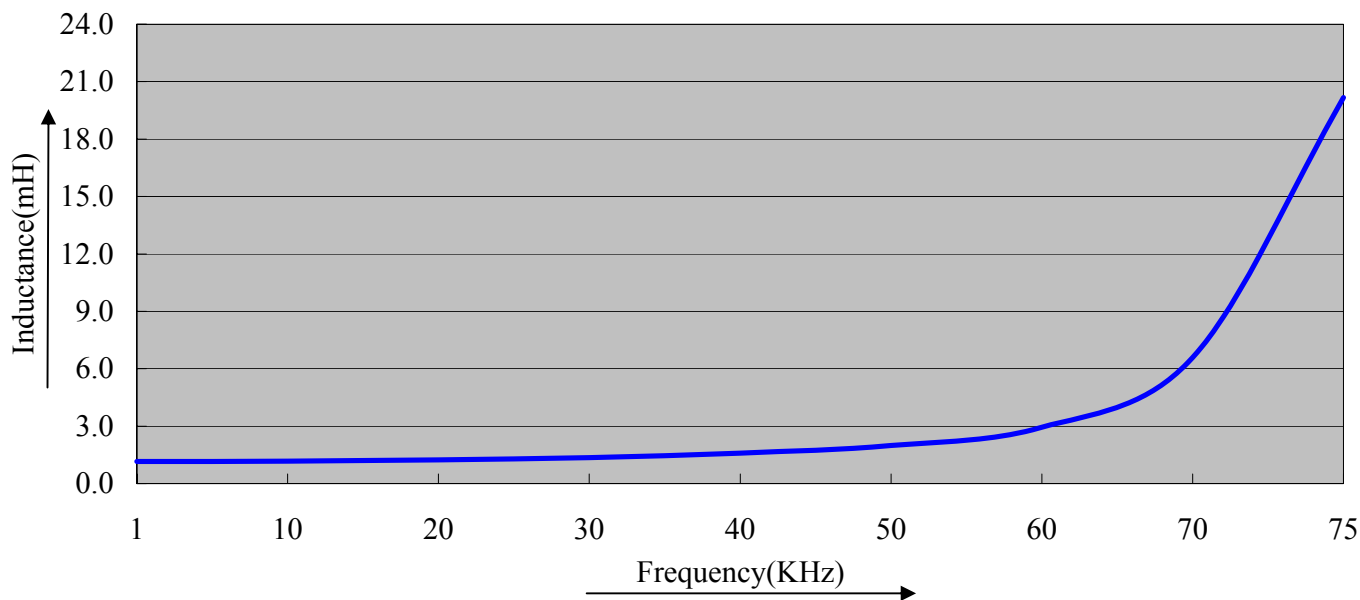
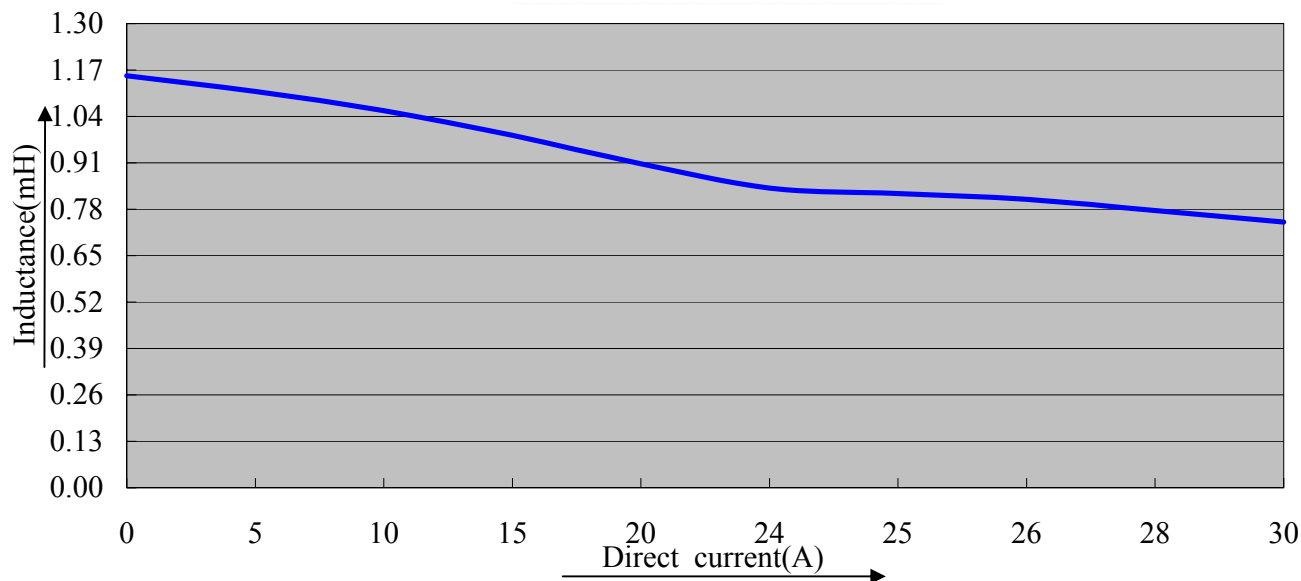
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## 7.ELECTRIC CHARACTERISTICS.

DC BIAS < 10KHz 0.25V >



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