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CUSTOMER: ___________________ CUST REF PN: ___________________

APPROVED BY: ___________________

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**DIMENSIONAL TOLERANCE**

<table>
<thead>
<tr>
<th>REV</th>
<th>ECN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>PRELIMINARY DESIGN</td>
<td>KLC 10/24/11 AK 10/24/11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C (HOLE)</th>
<th>D (LEAD)</th>
<th>E (WIND)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX</td>
<td>MAX</td>
<td>MAX</td>
<td>TYP</td>
<td>TYP</td>
</tr>
<tr>
<td>2.08&quot;</td>
<td>2.08&quot;</td>
<td>1.73&quot;</td>
<td>.50&quot;</td>
<td>.091&quot;</td>
</tr>
<tr>
<td>[52.8]</td>
<td>[52.8]</td>
<td>[44.0]</td>
<td>[12.7]</td>
<td>[2.30]</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>X</th>
<th>Y</th>
<th>REF</th>
<th>REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>.89&quot;</td>
<td>.89&quot;</td>
<td>[22.6]</td>
<td>NA</td>
</tr>
</tbody>
</table>

---

**PARTS LIST**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>ITEM NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>HF5712-561M-25AH</td>
<td></td>
</tr>
</tbody>
</table>

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**NOTES:**

1. BUILT TO RoHS COMPLIANCE AND LEAD FREE.
2. IF APPLICABLE, MARK PART NUMBER AND REVISION
3. POSITION LEADS AS REQUIRED
4. REMOVE WIRE INSULATION AND TIN
5. WIND COILS EVENLY SPACED
6. CONSTRUCTION:

**WEIGHT:** ~ 620 GRAMS

HI-POT WINDING-TO-CORE 1250 V AC, 10 SEC
INTERWINDING CAPACITANCE 75 pF TYPICAL @ 10 kHz
DCR= 25 mO MAX
SRF ~ 790 kHz TYPICAL
MAX TEMP. RISE @ IDC 25 AMP, LESS THAN 50°C WITH NO AIRFLOW
INDUCTANCE @ 0 AMP = 560 uH±15% (LESS THAN 10% RIPPLE)
TEST FREQUENCY: 1.0 kHz; TEST VOLTAGE: 250 mV
RATED MAX. CURRENT= 25 AMPS RMS; FREQUENCY: 1kHz
OPERATING TEMPERATURE RANGE: -40° TO 180°C

3. SPECIFICATIONS @ 25°C

**WIRE:** UL RATED CLASS 200°C
**CORE:** HIGH TEMP POWDERED CORE

RATING UL-CLASS H (180°) REQUIRED
1. MATERIAL: UL RECOGNIZED 94V-0 FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. READ FROM BOTTOM UP.

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**SCHEMATIC**

**SIDE VIEW**

**BOTTOM VIEW**

**MOUNTING HOLE PATTERN**

(TOP VIEW)

**RECOMMENDED PIN-HOLE**

[Ø3.2 MM]