**VARIABLE INDUCTOR COIL**

**VERTICAL-SURFACE MOUNT**

**(NONMAGNETIC)**

**U.S. PATENT No. 8,248,198**

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### NOTES:

1. **DIMENSIONS:**
   - a. **mm**
   - b. **inches** FOR REFERENCE ONLY

2. **COIL:**
   - a. **MATERIAL:** CUPPER ALLOY (COATED)
   - b. COATING ABLE TO WITHSTAND 275°C FOR 100 HOURS AS PER NEMA "CLASS 200". (REF ASTM D2307)

3. **CORE:**
   - a. **MATERIAL:**
     - PTFE / COPPER ALLOY
   - b. SELF-RESONANT FREQUENCY (SRF) IS MEASURED WITH THE CORE FULLY ENGAGED AS DEPICTED
   - c. L MIN MEASURED WITH CORE ENGAGING FULL WINDINGS. L MAX MEASURED WITH CORE ENGAGING A SINGLE TURN.

4. **TINNING:**
   - a. **MATERIAL:**
     - RoHS COMPLIANT 'SAC' ALLOY

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### Table: JMC P/N Parameters

<table>
<thead>
<tr>
<th>JMC P/N</th>
<th>L (nH)</th>
<th>Q (@ 100 MHz)</th>
<th>SRF (GHz)</th>
<th>TURNS</th>
<th>THD LNGTH mm (in)</th>
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<tbody>
<tr>
<td></td>
<td>MIN</td>
<td>NOM</td>
<td>MAX</td>
<td>NO CORE</td>
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**READINGS TAKEN ON AGILENT/8358-A METER.**

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**JOHANSON MANUFACTURING CORPORATION**

**ROCKAWAY VALLEY ROAD, BOONTON, NJ 07005 (973)534-2676 FAX (973)534-2954**

**ELECTRONIC ACCURACY THROUGH MECHANICAL PRECISION**

**REVISIONS**

<table>
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<th>DRN. SAF</th>
<th>CHK.</th>
<th>APP.</th>
<th>SCALE</th>
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<tbody>
<tr>
<td>DATE</td>
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**PROPRIETARY INFORMATION CONTAINED NOT TO BE USED WITHOUT JOHANSON MANUFACTURING CORPORATION APPROVAL**

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**FILE: AIROUT**