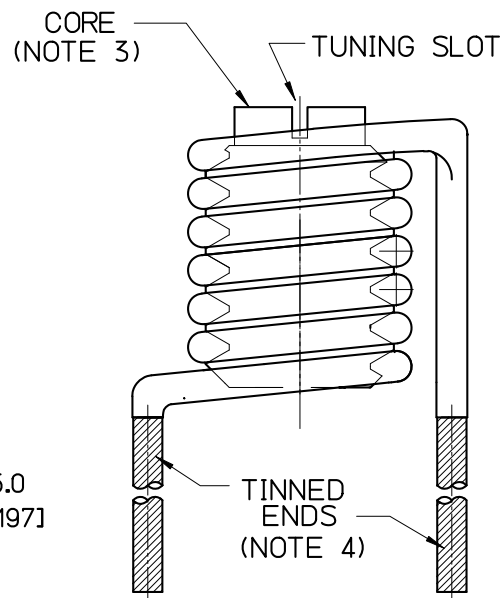
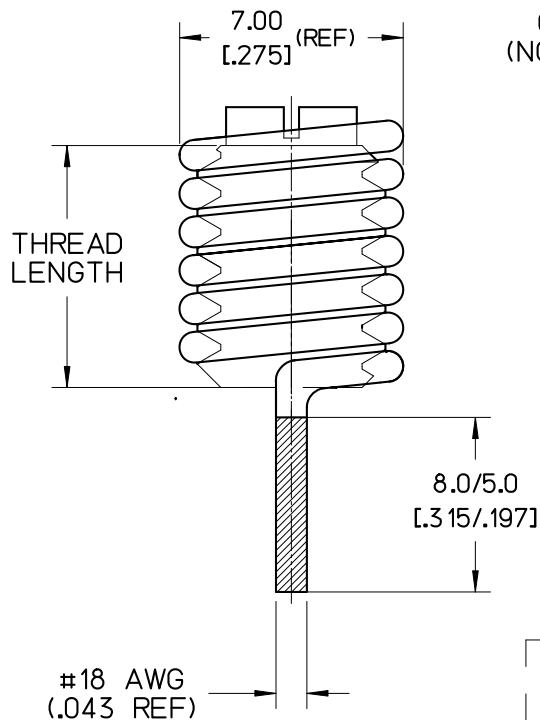


MI DRG. NO. JLCXXEYYYYTRVPC REV.

**JLCXXEYYYYTRVPC E**

**VARIABLE INDUCTOR COIL  
VERTICAL MOUNT PC STYLE  
(NONMAGNETIC)**

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

FILE: AIROUT

**NOTES:**

1. a. DIMENSIONS: mm  
b. DIMENSIONS: [inches] FOR REFERENCE
2. COIL :  
a. MATERIAL:  
COPPER 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):  
MEASURED WITH THE CORE FULLY  
ENGAGED AS DEPICTED  
c. L MIN MEASURED:  
CORE FULLY ENGAGED INTO WINDINGS.  
d. L MAX MEASURED:  
CORE ENGAGED A SINGLE TURN.
4. TINNING :  
a. MATERIAL:  
RoHS COMPLIANT "SAC" ALLOY

| JMC P/N        | READINGS: AGILENT/8358-A METER |     |     |         |                  |              | TURNS | THD<br>LGTH<br>mm (in) |
|----------------|--------------------------------|-----|-----|---------|------------------|--------------|-------|------------------------|
|                | L (nH)                         |     |     |         | Q<br>(@ 100 MHz) | SRF<br>(GHz) |       |                        |
|                | MIN                            | NOM | MAX | NO CORE |                  |              |       |                        |
| JLC02E030TRVPC | 32                             | 33  | 34  | 39      | 90               | 1.2          | 2     | 6(.236)                |
| JLC03E048TRVPC | 46                             | 49  | 52  | 59      | 95               | 1.0          | 3     | 6(.236)                |
| JLC04E065TRVPC | 60                             | 64  | 68  | 78      | 101              | 0.9          | 4     | 6(.236)                |
| JLC05E088TRVPC | 74                             | 81  | 87  | 99      | 114              | 0.9          | 5     | 8(.315)                |
| JLC06E110TRVPC | 94                             | 107 | 119 | 123     | 119              | 0.7          | 6     | 8(.315)                |
| JLC07E130TRVPC | 104                            | 118 | 133 | 142     | 121              | 0.7          | 7     | 10(.394)               |

|       |          |      |      |      |        |
|-------|----------|------|------|------|--------|
| E     | 01/10/14 | SSH  | MAI  | MAI  | 001198 |
| D     | 8/28/12  | BFH  | MAI  | MAI  | 001102 |
| C     | 8/7/12   | RJV  | -    | -    | 001096 |
| LEVEL | DATE     | DRN. | CHK. | APP. | ECN    |

**REVISIONS**

|                |                |                |                           |
|----------------|----------------|----------------|---------------------------|
| DRN.<br>RJV    | CHK.<br>RJV    | APP.<br>MAI    | SCALE<br>NONE             |
| DATE<br>8/7/12 | DATE<br>8/7/12 | DATE<br>8/9/12 | .XX ± .762<br>.XXX ± .254 |



**JOHANSON MANUFACTURING CORPORATION**

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