

# 线圈规格书

Coil Specification Document

深圳市智德电子有限公司

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一、SPECIFICATION

Product Model (DESC): 9422-0.08 \* 24-1275-16mm-D7420291-0.6 Dual-Coil

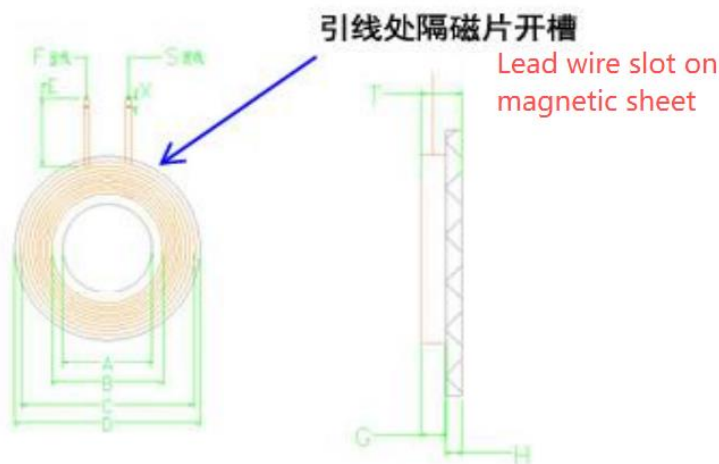
Adhesive Slot Wave-Absorbing - 3.8uH (Wire-Pressed)

客户 (CUST)：飞安瑞 D59 发射

客户料号 (CUST P/N)：

Rev:A 0

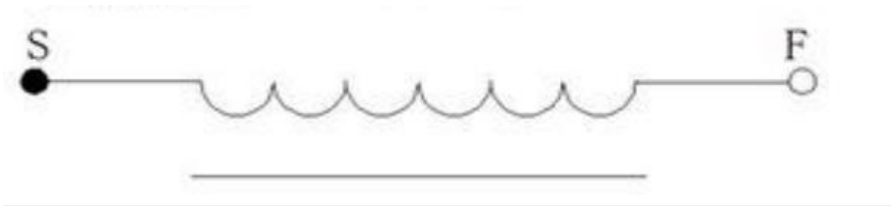
二、尺寸 DIMENSION(mm)



| 尺寸项                                | 数值                           |
|------------------------------------|------------------------------|
| A（Inner diameter of magnetic disk） | 7±0.3mm                      |
| B（Inner diameter of coil）          | 9±0.5mm                      |
| C（Outer diameter of coil）          | 22±0.5mm                     |
| D（Outer diameter of magnetic disk） | 23±0.5mm                     |
| E（LOL）                             | 16±3mm                       |
| F（tin dipping length）              | 2±1mm                        |
| G                                  | 8.5mm MAX（No leads included） |
| H                                  | 1.1mm MAX                    |
| T                                  | 1.6mm MAX                    |

- Note:**1.The coil leads shall be crossed and not twisted.
2. The coil shall be welded flat (wire-pressed) and attached with D7420291-0.6mm double-sided adhesive wave-absorbing material (magnetic barrier sheet slotted).
3. Overall coil thickness: 1.6mm MAX (excluding lead-out section).
4. Solder: Lead-free solder, environmentally friendly lead-free wire, solder thickness 1.0±0.3mm, length ±1mm.
5. Solder parameters: 0.95mm diameter ±10%, not exceeding 5mm.
6. Lead wire diameter at the data section:≤1.0mm.

三、原理图（SCHEMATIC DIAGRAM）



四、绕线参数(Winding parameters)

| 序号<br>(NO.) | 端子<br>(TERMINAL<br>) | 线径<br>(WIRE) | 圈数<br>(Turns) | 绕线方向<br>(Winding<br>Direction) |
|-------------|----------------------|--------------|---------------|--------------------------------|
| 1           | S-F                  | 0.08 * 24P   | 12Ts          | C.W.                           |

五、电气特性 ELECTRICAL CHARACTERISTICS

温度（TEMPERATURE）：25±10℃，湿度（RELATIVE HUMIDITY）：65±20%

| 序号<br>(NO.) | 项目<br>(ITEM<br>) | 端子<br>(TERMINAL<br>) | 标准<br>(SPECIFICATIO<br>N)          | 测试条件<br>(TEST<br>CONDITION<br>) | 测试仪器<br>(TEST<br>EQUIPMENTS<br>) |
|-------------|------------------|----------------------|------------------------------------|---------------------------------|----------------------------------|
| 1           | IND.             | S-F                  | 2.4 uH ±7%<br>Single coil          | 100KHz/1.0<br>V                 | LCZ METER<br>1062B               |
| 2           | IND .            | S-F                  | 3.8 uH ±7% with<br>magnetic spacer | 100KHz/1.0<br>V                 | LCZ METER<br>1062B               |
| 3           | DCR              | S-F                  | 0.12 Ω MAX                         | 100KHz/1.0<br>V                 | LCZ METER<br>502B                |