

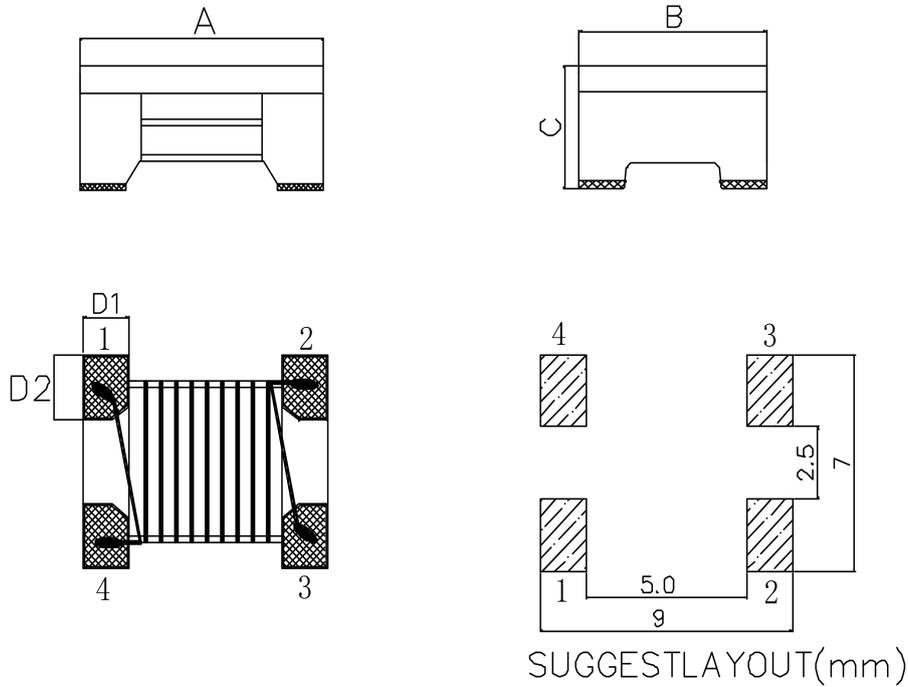
1、Features

- Operating temperature -40°C~130°C
- Suitable for lead-free reflow soldering
- Compliance with RoHS and Halogen Free
- Bifilar winding
- AEC-Q200 qualified

2、Application

- Used radiation noise suppression for automotive CAN-BUS / Flex Ray systems
- Used for Industrial field bus systems

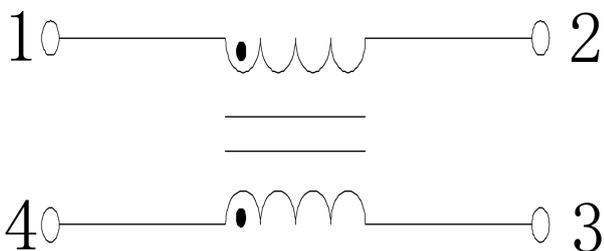
3、外形尺寸 SHAPES AND DIMENSIONS (Unit:mm)



SUGGEST LAYOUT(mm)

Series	A	B	C	D1	D2
8060F	8.0 ± 0.2	6.6 ± 0.2	4.0Max	1.5 ± 0.1	2.0 ± 0.1

4、电路图 Schematic Diagram



5、电性规格 Specification

Part Number	Inductance(uH) [100kHz/0.1V] 测量端 1--3, min	DC Resistance (Ω)Max. 测量端 1--3	Q 值 测量端 1--3 min	绝缘电阻(MΩ) 500V DC 测量端绕组~磁芯 min	耐电压 (VDC) ,1mA/3s 测量端绕组~绕组 min
AP8066F-301L	300	1.0	3	100	1000
AP8066F-401L	400	1.0	3	100	1000

6、焊接和安装 Soldering and Mounting

6-1. Soldering

Mildly activated rosin fluxes are preferred. FPE terminations are suitable for all wave and re-flow soldering systems. If hand soldering cannot be avoided, the preferred technique is the utilization of hot air soldering tools.

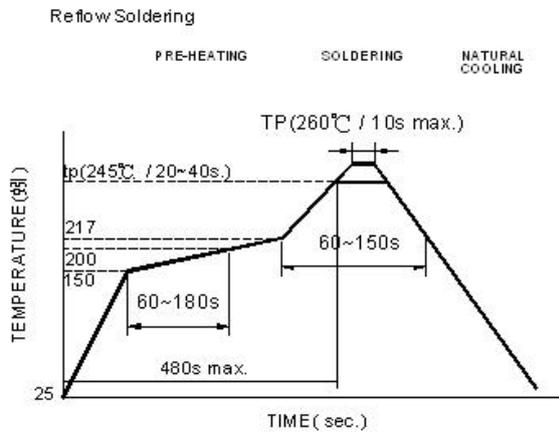
6.2 Solder re-flow:

Recommended temperature profiles for re-flow soldering in Figure 1.

6.3 Soldering Iron(Figure 2):

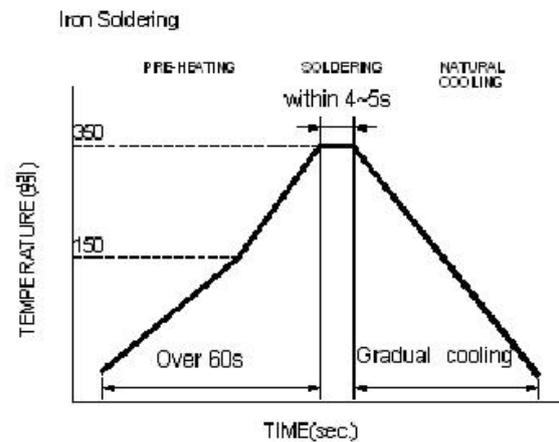
Products attachment with a soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

- Preheat circuit and products to 150°C
- Never contact the ceramic with the iron tip
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- 350°C tip temperature (max)
- 1.0mm tip diameter (max)
- Limit soldering time to 4~5 sec.



Reflow times: 3 times max.

Fig.1



Iron Soldering times: 1 times max.

Fig.2

7、包装信息 Packaging Information

Series	Chip/Reel	Carton
8066F	1000	10000