

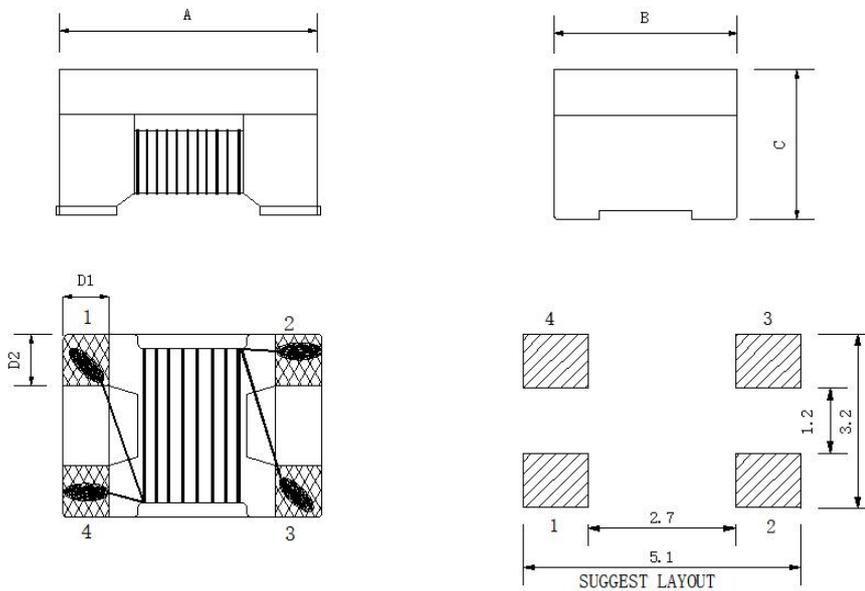
1、Features

- Operating temperature -40°C~150°C
- Suitable for lead-free reflow soldering
- Compliance with RoHS and Halogen Free
- Bifilar winding
- AEC-Q200 qualified

2、Application

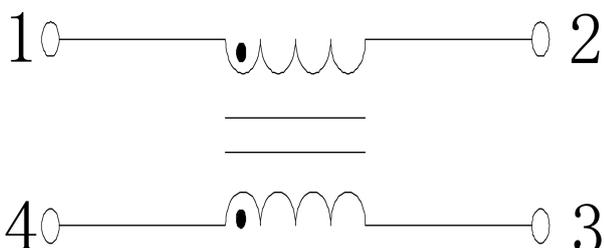
- Used radiation noise suppression for automotive CAN-BUS / Flex Ray systems
- Used for Industrial field bus systems

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



Series	A	B	C	D1	D2
4532F	4.5±0.2	3.2±0.2	2.6±0.2	0.8±0.1	0.9±0.1

4、电路图 Schematic Diagram



5、电性规格 Specification

Part Number	Inductance(uH) [100kHz/0.1V] -30% / +50%	DC Resistance (Ω)Max.	Common mode Impedance (Ω) [Test Frequency 100MHz]	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc) max.	IR(Ω) min.
AC4532F-110L	11	0.6	600TYP	250	50	125	10M
AC4532F-220L	22	1.0	1200 TYP	200	50	125	10M
AC4532F-510L	51	1.0	2800 TYP	200	50	125	10M
AC4532F-101L	101	2.0	5800 TYP	150	50	125	10M
AC4532F-201L	201	4.5	/	110	50	125	10M

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.

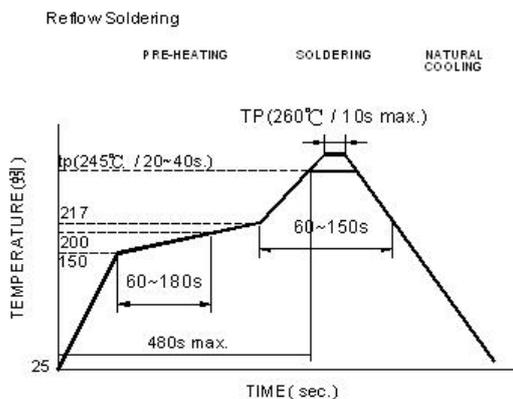
6.2 Solder re-flow:

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

6.3 Soldering Iron(Figure 2):

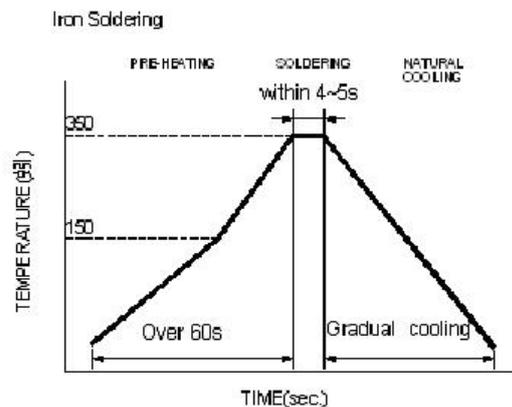
Products attachment with a soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

- 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
4532F	2500	25000