

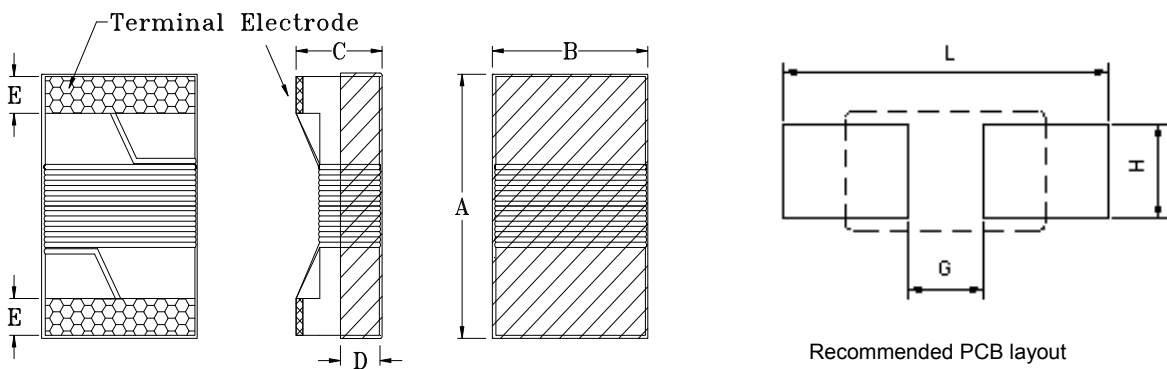
1. Part No. Expression:

W 3 2 2 5 F - 1 0 2 J

(a) (b) (c) (d) (e)

- (a) Series Code
- (b) Dimension Code
- (c) Material Code
- (d) Inductance Code
- (e) Tolerance Code

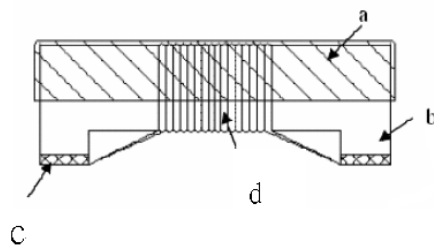
2. Configuration & Dimensions:



Unit: mm

A	B	C	D	E	L	G	H
3.60 Max.	2.80 Max.	2.60 Max.	0.80 Ref.	0.55 ± 0.1	3.82 Ref.	1.78 Ref.	2.80 Ref.

3. Material List:



- (a) Upper Plate
- (b) Core
- (c) Termination
- (d) Wire

NOTE: Specifications subject to change without notice. Please check our website for latest information.



4. General Specification:

- (a) Operating Temp. : -40°C to +125°C(Including self - temperature rise)
- (b) Storage Temp. : -40°C to +125°C (on board)
- (c) Humidity Range: 85 ± 2% RH
- (d) Storage Condition (Component in its packaging)
 - i) Temperature: Less than 40°C
 - ii) Humidity : 60% RH

5. Electrical Characteristics:

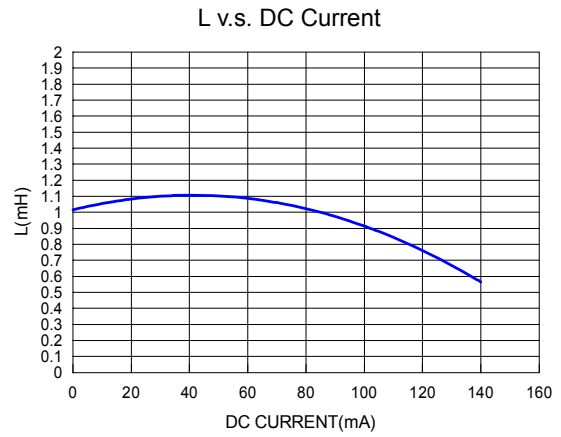
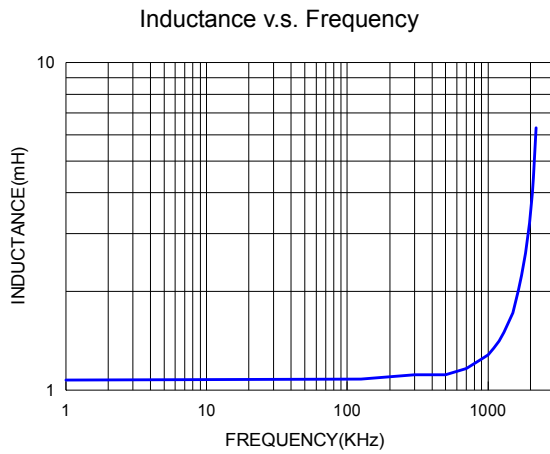
Part Number	Inductance (uH)	Test Frequency (Hz)	Q Min.	Rated Current (mA) Max.	DCR (Ω) Max.	SRF (MHz) Min.
W3225F-102J	1080±5%	0.1V/125K	15	50	35	1.5
W3225F-132J	1340±5%	0.1V/125K	15	50	42	1.5

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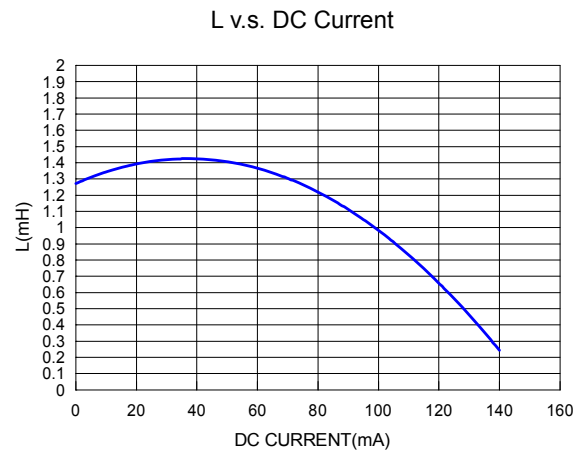
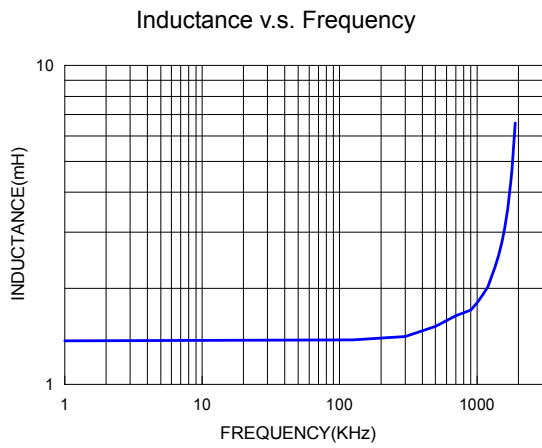


6. Characteristics Curves:

W3225F-102J



W3225F-132J



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7. Soldering:

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

7-1 Solder Re-flow

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

7-2 Soldering Iron (Figure 2)

Products attachment with 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.

Note :

- a) Preheat circuit and products to 150°C.
- b) 355°C tip temperature (Max.)
- c) Never contact the ceramic with the iron tip
- d) 1.0mm tip diameter (Max.)
- e) Use a 20 watt soldering iron with tip diameter of 1.0mm
- f) Limit soldering time to 4~5 sec.

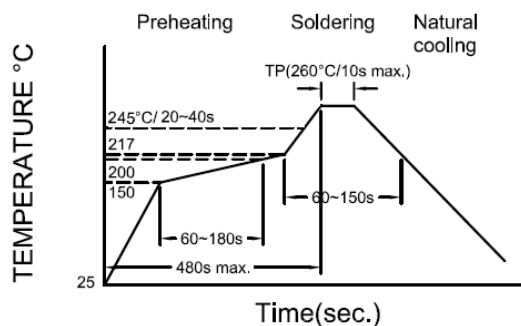


Figure 1. : Re-flow Soldering time
3 times max

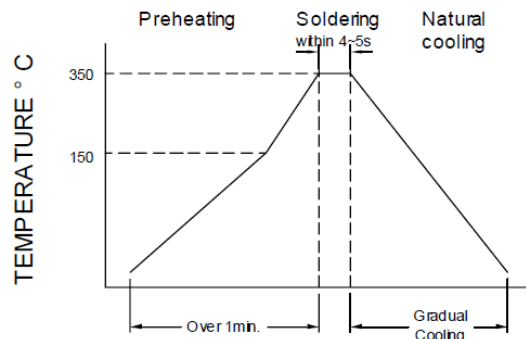


Figure 2. : Iron Soldering time
1 times max

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