



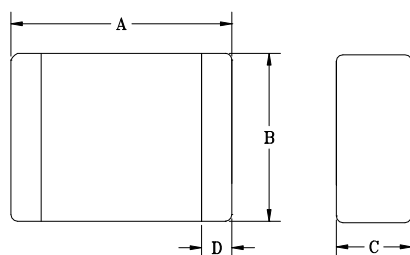
PRODUCT IDENTIFICATION

JWI 252010 FW - 1R0 M
 | | | |
Type Size Inductance Tol.
 . Material
 . Flat wire

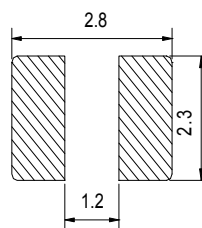
FEATURES

1. This specification applies Low Profile Power Inductors.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. Operating temperature :-40~+125℃
(Including self - temperature rise)

DIMENSIONS (mm)



Recommended PC Board Pattern



Part No.	Size (mm)			
	A	B	C	D
JWI 252010FW	2.50 ± 0.20	2.00 ± 0.20	1.00 max.	0.50 ± 0.30

SERIES LIST

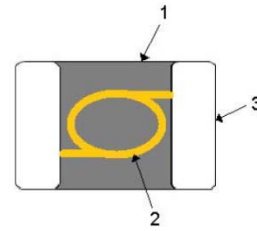
No.	Part No.	L (μH)	Test Freq. (Hz)	RDC (mΩ)		I sat (A)		I rms (A)	
				Typ.	Max.	Typ.		Typ.	
1	JWI 252010FW-R24M	0.24±20%	1M/1V	18	22	6.3		5.7	
2	JWI 252010FW-R36M	0.36±20%	1M/1V	23	28	4.9		4.7	
3	JWI 252010FW-R47M	0.47±20%	1M/1V	28	34	4.5		4.4	
4	JWI 252010FW-R68M	0.68±20%	1M/1V	34	41	4.3		4.2	
5	JWI 252010FW-R82M	0.82±20%	1M/1V	40	48	4.0		3.8	
6	JWI 252010FW-1R0M	1.00±20%	1M/1V	52	62	3.7		3.4	
7	JWI 252010FW-1R5M	1.50±20%	1M/1V	82	98	2.9		2.6	
8	JWI 252010FW-2R2M	2.20±20%	1M/1V	105	126	2.3		2.2	
9	JWI 252010FW-3R3M	3.30±20%	1M/1V	130	156	2.1		2.0	
10	JWI 252010FW-4R7M	4.70±20%	1M/1V	230	264	1.6		1.4	

Note:

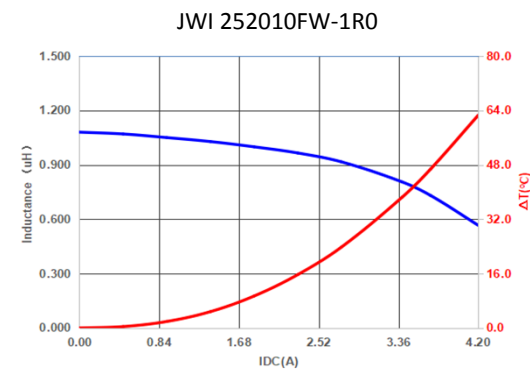
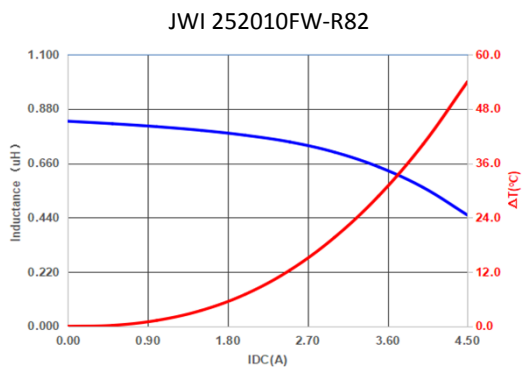
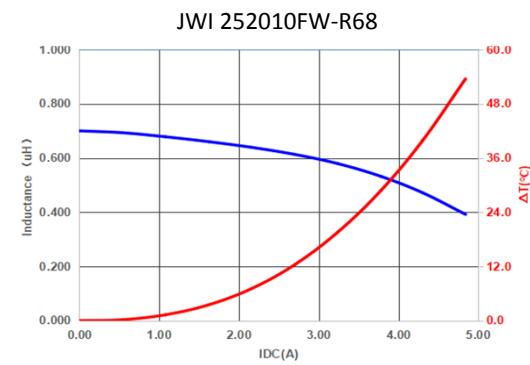
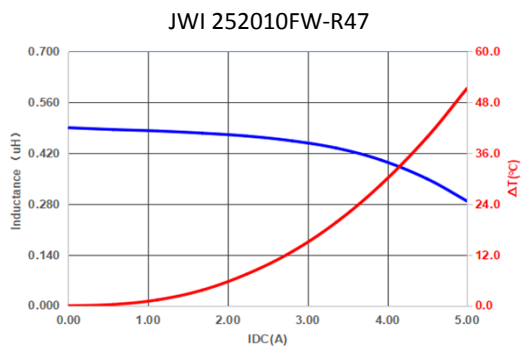
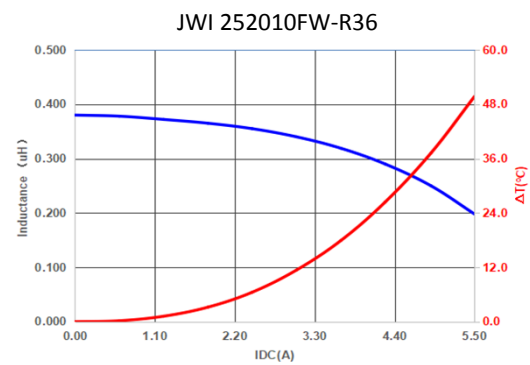
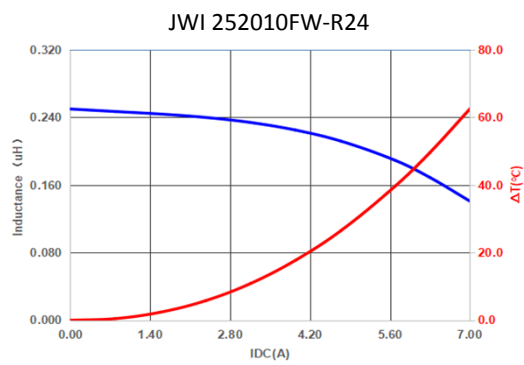
1. All test data referenced to 25℃ ambient
2. Isat : Saturation Current (Isat) will cause L0 to drop approximately 30%.
3. Irms : Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40℃
4. Rated DC Current : The less value which is Irms or Isat.

Material List

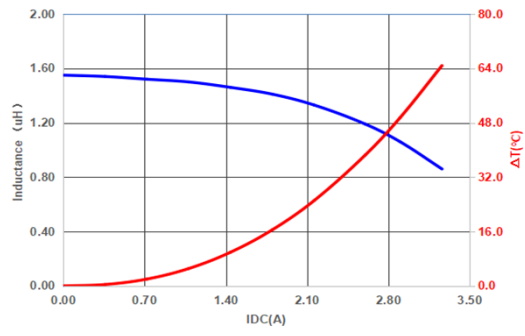
No	Composition part	Material name
1	Alloy Body	Alloy Powder
2	Circuit-Copper	Copper Wire
3	Terminal	Silver paste



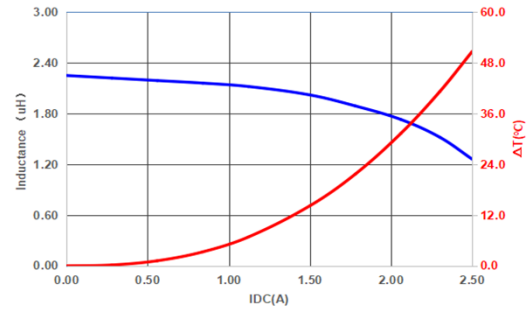
TYPICAL PERFORMANCE CURVES



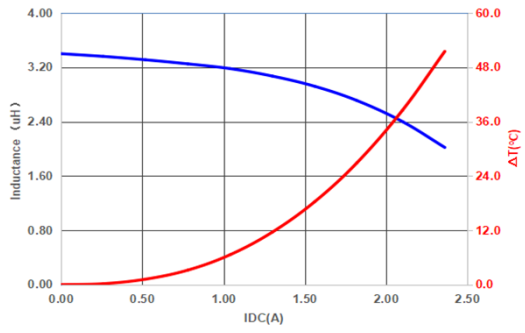
JWI 252010FW-1R5



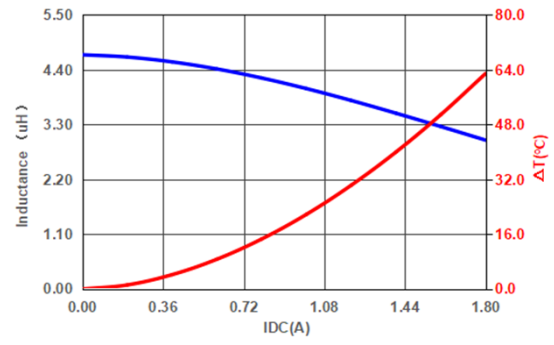
JWI 252010FW-2R2



JWI 252010FW-3R3

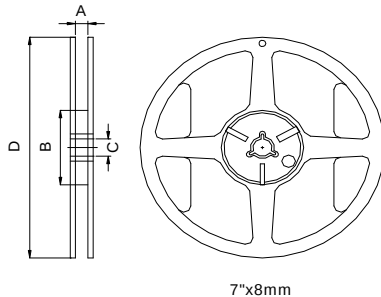


JWI 252010FW-4R7



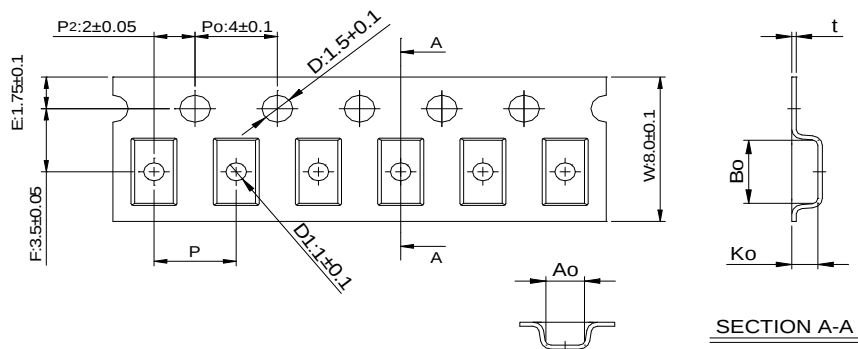
Packaging Information

• Reel Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)
7"x8mm	9.0 ± 0.5	60 ± 2	13.5 ± 0.5	178 ± 2

• Tape Dimension / 8mm

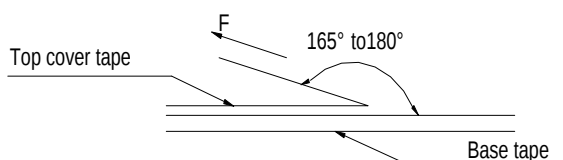


Ao(mm)	Bo(mm)	Ko(mm)	P(mm)	t(mm)
2.30 ± 0.1	2.90 ± 0.1	1.15 ± 0.1	4.0 ± 0.1	0.23 ± 0.05

• Packaging Quantity

Size	Reel
JWI 252010	3000

• Tearing Off Force



The force for tearing off cover tape is 10 to 130 grams in the arrow direction under the following conditions (referenced ANSI/EIA-481-D-2008 of 4.11 standard).

Tearing Speed mm	Room Temp. (°C)	Room Humidity (%)	Room atm (hPa)
$300 \pm 10\%$	5~35	45~85	860~1060

■ Application Notice

- Storage Conditions(component level)

To maintain the solderability of terminal electrodes:

1. Products meet IPC/JEDEC J-STD-020E standard-MSL, level 1.
2. Temperature and humidity conditions: Less than 40°C and 60% RH.
3. Recommended products should be used within 12 months form the time of delivery.
4. The packaging material should be kept where no chlorine or sulfur exists in the air.

- Transportation

1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
3. Bulk handling should ensure that abrasion and mechanical shock are minimized.