■ Features

- General purpose inductors.
- Use ferrite cores.
- High saturation current.
- Tinplated lends.
- Coated with varnish.
- Operating temperature:-40℃ ~ +105℃.

■ Applications

- Power supplies,Power amplifiers.
- SCR and triac circuits.
- Output chokes.
- Noise filters for switching regulators, Other filters.

■ Product Identification

YDRI □□□□□ −□□□ □ □

(1) (2) (3) (4) (5)

(1)： Type

(2)： Dimensions

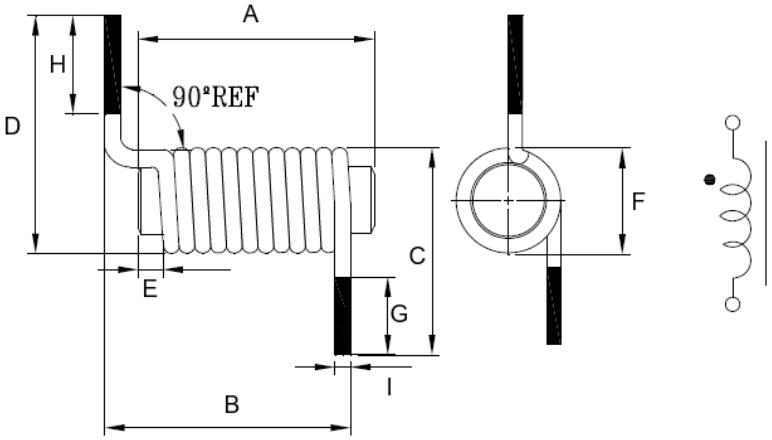
(3)： Inductance value

(4)： Inductance Tolerance： N=±30%,M=±20%， L=±15%，

(5)： Product Form

■ Shapes and Dimensions (Unit： mm)





TYPE	A Max.	B	C	D	E	F Max.	G	H	I
YDRI0315D	15.5	16.5±0.5	10.3±1.0	15.5±1.0	3.0±0.5	5.5	5 ~ 7	7 ~ 9	1.0±0.1

■ Electrical specification

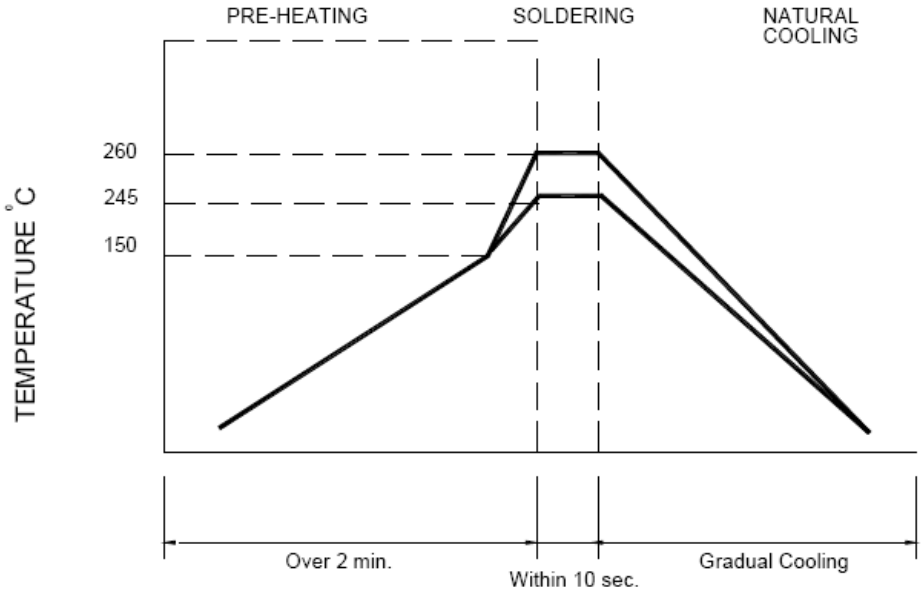
Part Number	Inductance (uH)	Test Frequency	Max.DCR (mΩ)	Isat (A)
YDRI0315D-1R5LZ	1.5±15%	1KHz/0.25V	6.0	7

■ Test Data of Electrical Characteristic

Electrical Characteristic				Dimensions(mm)								
Test Item	L	DCR	Isat	A	B	C	D	E	F	G	H	I
CON.	1KHz/ 0.25V	25℃	L Drop≤10% 1KHz/0.25V									
Spec.	1.5uH ±15%	6.0 mΩMax.	7A	15.5 Max.	16.5± 0.5	10.3± 1.0	15.5± 1.0	3.0± 0.5	5.5 Max.	5~7	7~9	1.0± 0.1
1	1.51	3.74	OK	15.24	16.08	10.03	15.78	3.33	5.20	6.10	7.35	1.00
2	1.56	3.72	OK	15.19	16.15	10.11	15.65	3.47	5.18	6.23	7.77	0.99
3	1.59	3.72	OK	15.23	16.00	10.23	15.80	3.26	5.22	6.00	8.33	1.00
4	1.54	3.73	OK	15.38	16.23	10.22	15.66	3.18	5.90	6.39	7.88	1.00
5	1.54	3.74	OK	15.16	16.18	10.11	15.47	3.41	5.22	6.00	8.12	1.00
6												
7												
8												
9												
10												
X	1.55	3.73		15.24	16.13	10.14	15.67	3.33	5.34	6.14	7.89	1.00
R	0.08	0.02		0.22	0.23	0.20	0.33	0.29	0.72	0.39	0.98	0.01

■ Soldering Conditions

Wave Soldering:



Note:

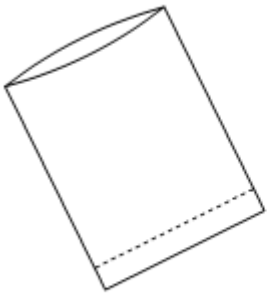
Never contact the ceramic with the iron tip

1.0mm tip diameter(max)

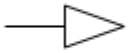
■ Material list

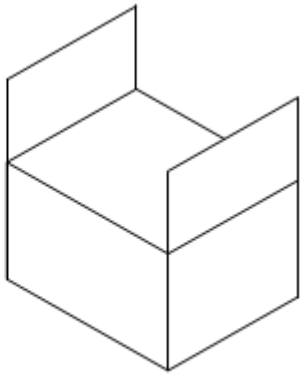
NO	ITEM	DESCRIPTION	SUPPLIER	RATING	UL FILE
1	Core	H R 3×15	HONG JUN		
		OR EQUIVALENT			
2	Wire	QZY-2 Φ1.0mm	JINYAN	180℃	E238500
		OR EQUIVALENT			
3	Epoxy	E506 Gray	EATTO		E218090
		OR EQUIVALENT			

■ Package specification



PE 袋





Type	Quantity(pcs)			Remark
	Bag	Inside box	Outer box	
YDRI0315D	250	2500	5000	