■ 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

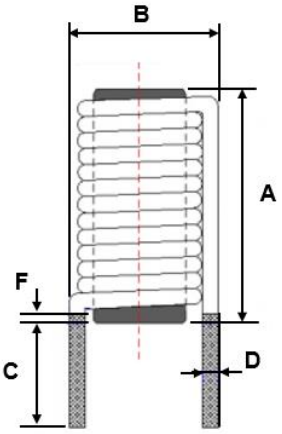
(3)： Inductance value

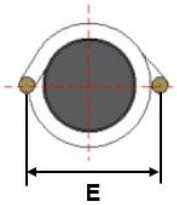
(4)： Inductance Tolerance： N=±30%,M=±20%， K=±10%

(5)： Product Form

■ Shapes and Dimensions (Unit： mm)







TYPE	A Max.	B Max.	C	D	E	F Max.
YDRI0420D	21.0	9.0	3.5±0.5	1.0±0.1	7.5±0.5	1.0

■ Electrical specification

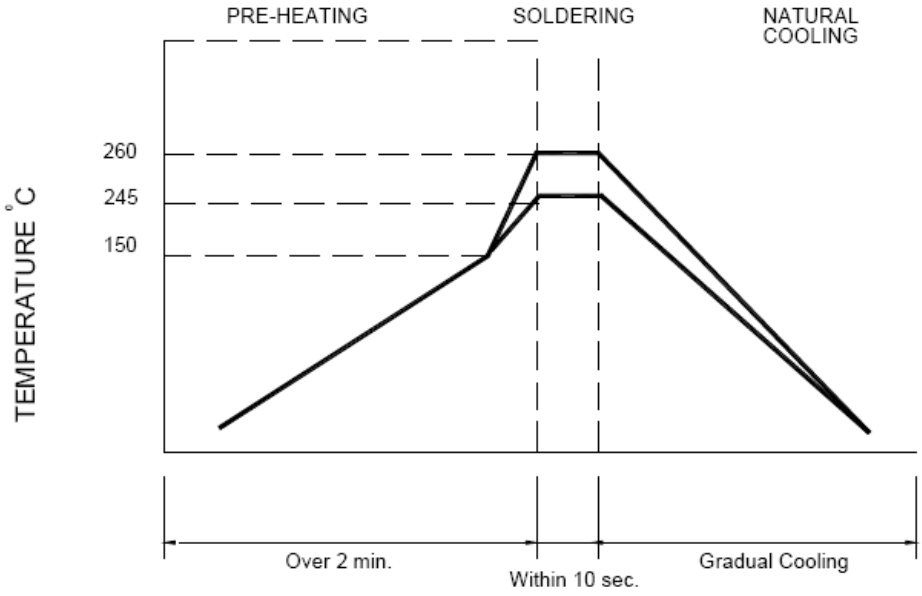
Part Number	Inductance (uH)	Test Frequency	Max.DCR (mΩ)	Isat (A)
YDRI0420D-2R0ML	2.0±20%	1KHz/0.25V	7.0	10

■ Test Data of Electrical Characteristic

Electrical Characteristic				Dimensions(mm)					
Test Item	L	DCR	Isat	A	B	C	D	E	F
CON.	1KHz/0.25V	25℃	L Drop≤10% 1KHz/0.25V						
Spec.	2.0uH±20%	7.0 mΩMax.	10A	21.0 Max.	9.0 Max.	3.5±0.5	1.0±0.1	7.5±1.0	1.0 Max.
1	1.96	3.84	OK	20.03	8.31	3.73	1.00	7.36	0.00
2	1.98	3.81	OK	20.21	8.27	3.67	1.00	7.44	0.00
3	1.99	3.85	OK	20.05	8.46	3.68	1.00	7.62	0.00
4	1.95	3.84	OK	20.17	8.44	3.82	1.00	7.51	0.00
5	1.93	3.83	OK	20.11	8.36	3.71	1.00	7.53	0.00
6									
7									
8									
9									
10									
X	1.96	3.83		20.11	8.37	3.72	1.00	7.49	0.00
R	0.06	0.04		0.18	0.19	0.15	0.00	0.26	0.00

■ Soldering Conditions

Wave Soldering:



Note:

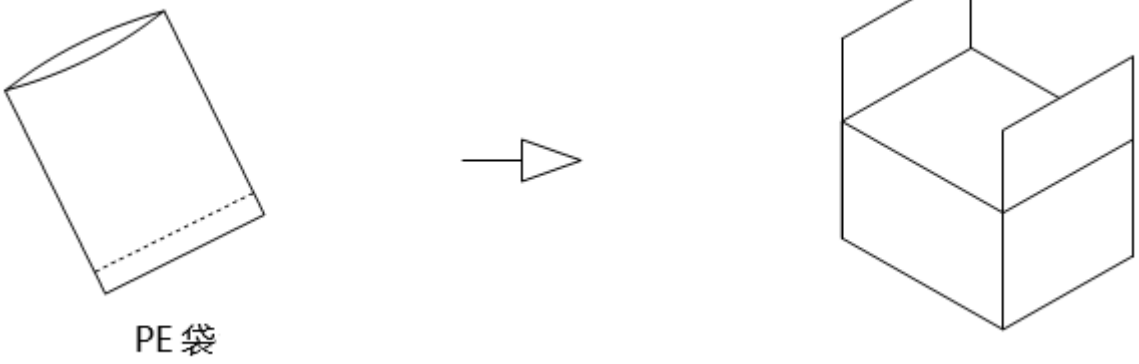
Never contact the ceramic with the iron tip

1.0mm tip diameter(max)

■ Material list

NO	ITEM	DESCRIPTION	SUPPLIER	RATING	UL FILE
1	Core	F3BP R 4×20	YU TONG		
		OR EQUIVALENT			
2	Wire	2UEW/F Φ1.0mm	JINYAN	155℃	E238500
		OR EQUIVALENT			
3	Epoxy	E506 Gray	EATTO		E218090
		OR EQUIVALENT			

■ Package specification



Type	Quantity(pcs)			Remark
	Bag	Inside box	Outer box	
YDRI0420D	250	2500	5000	