■ 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

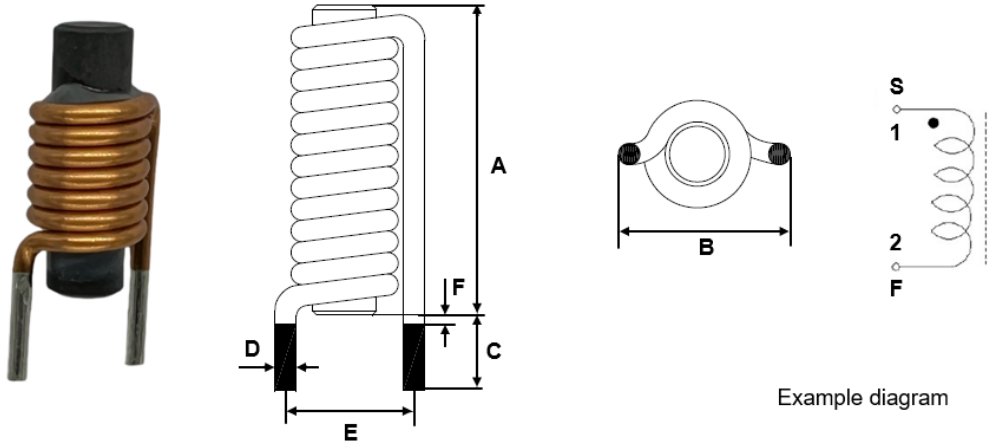
(2)： Dimensions

(3)： Inductance value

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

(5)： Product Form

■ Shapes and Dimensions (Unit： mm)



Example diagram

TYPE	A Max.	B Max.	C	D	E	F Max.
YDRI0620D	20.5	12.5	7.0±1.0	1.5±0.1	10.0±0.5	1.0

■ Electrical specification

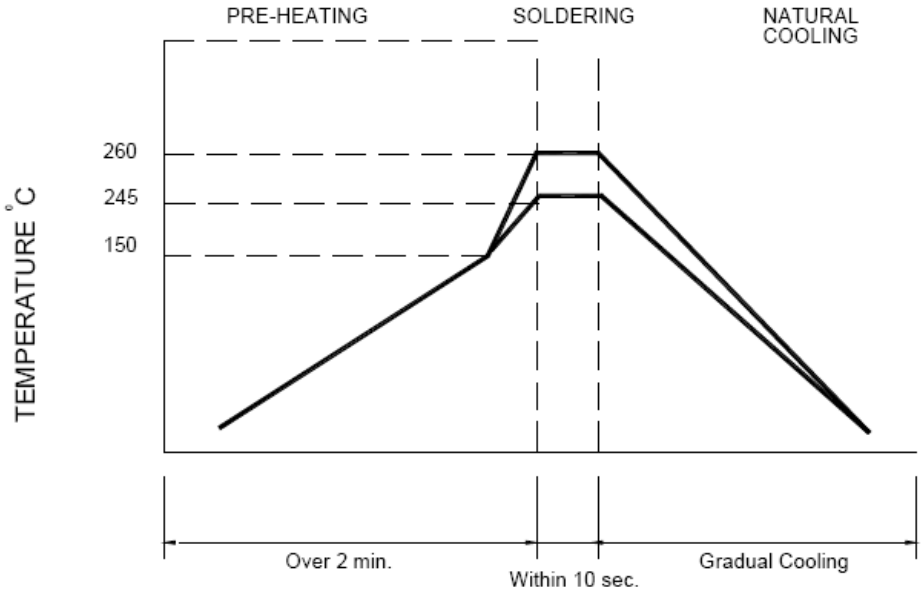
Part Number	Inductance	Test Frequency	DCR Max.(mΩ)	Isat Max.(A)
YDRI0620D-1R0MINL	1.0uH Min	1KHz/0.25V	3	20

■ 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% 10KHz/0.25V						
Spec.	1.0Uh Min.	3 mΩMax.	20A	20.5 Max.	12.5 Max.	7.0±1.0	1.5±0.1	10.0±0.5	1.0 Max.
1	1.18	1.77	OK	20.05	11.78	7.02	1.50	10.17	0.00
2	1.20	1.76	OK	20.00	11.69	6.97	1.50	10.00	0.00
3	1.18	1.77	OK	19.73	11.71	7.00	1.51	9.98	0.00
4	1.20	1.77	OK	20.04	11.62	7.08	1.51	10.21	0.00
5	1.21	1.75	OK	20.00	11.82	7.05	1.50	10.12	0.00
6									
7									
8									
9									
10									
X	1.19	1.76		19.96	11.72	7.02	1.50	10.10	0.00
R	0.03	0.02		0.32	0.19	0.11	0.01	0.23	0.00

■ Soldering Conditions

Wave Soldering:



Note:

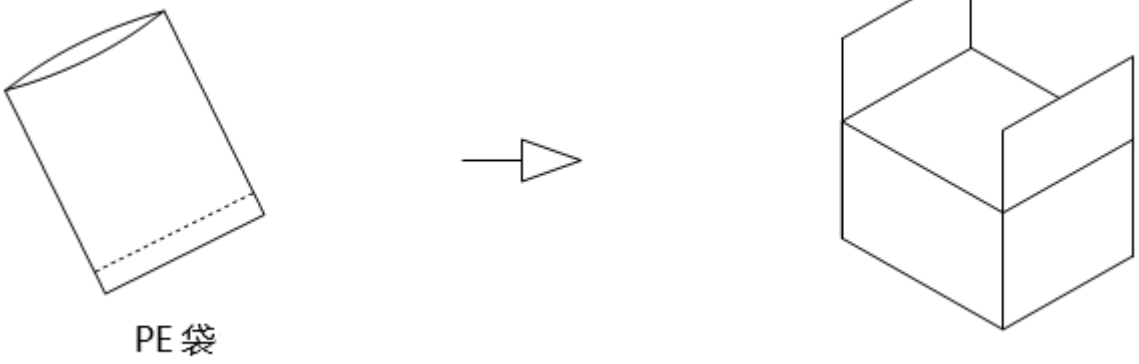
Never contact the ceramic with the iron tip

1.0mm tip diameter(max)

■ Material list

NO	ITEM	DESCRIPTION	SUPPLIER	RATING	UL FILE
1	Core	F2BP R 6×20	YU TONG		
		OR EQUIVALENT			
2	Wire	2UEWF Φ1.5mm	JINYAN	155℃	E238500
		OR EQUIVALENT			
3	Epoxy	E506 Gray	EATTO		
		OR EQUIVALENT			

■ Package specification



Type	Quantity(pcs)			Remark
	Bag	Inside box	Outer box	
YDRI0620D	100	1000	2000	