■ 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

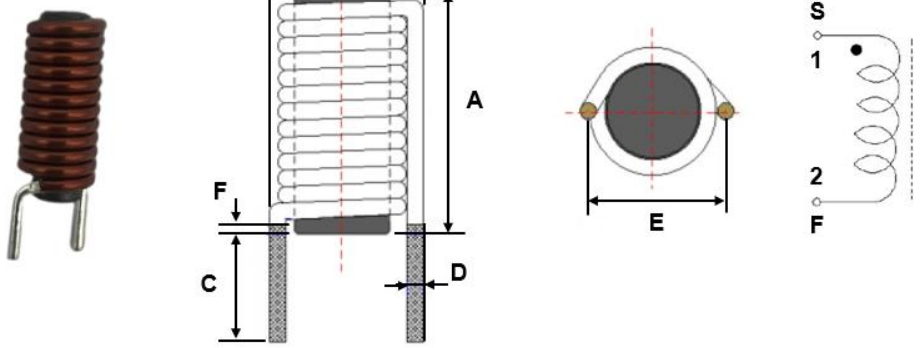
(2)： Dimensions

(3)： Inductance value

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

(5)： Product Form

■ Shapes and Dimensions (Unit： mm)



TYPE	A Max.	B Max.	C	D	E	F Max.
YDRI0415D	15.5	8.5	4.5±0.5	1.0±0.1	7.0±0.5	1.0

■ Electrical specification

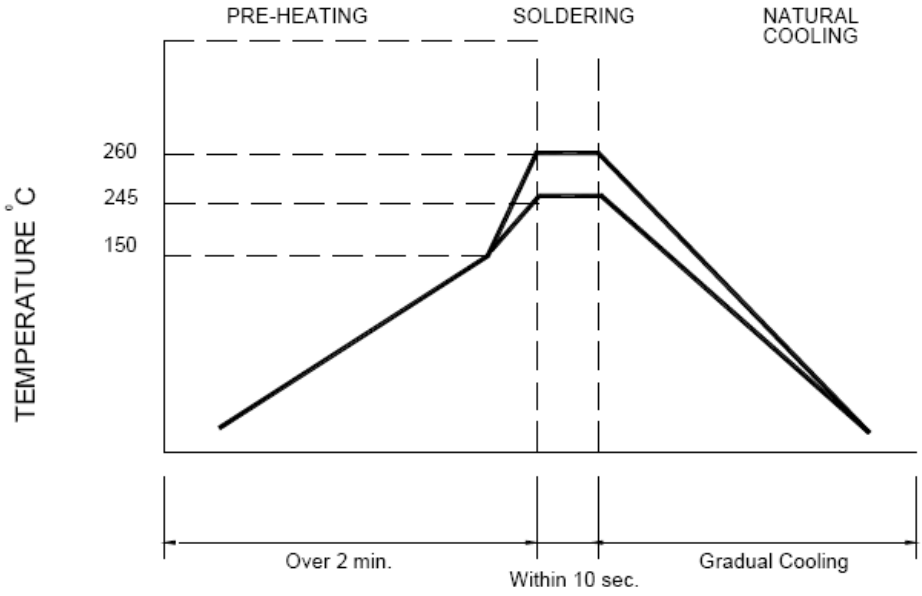
Part Number	Inductance	Test Frequency	DCR Max.(mΩ)	Isat Max.(A)
YDRI0415D-2R0KL	2.0uH±10%	1KHz/0.25V	6	12

■ 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.	2.0uH ±10%	6 mΩ Max.	12A	15.5 Max.	8.5 Max.	4.5±0.5	1.0±0.1	7.0±0.5	1.0 Max.
1	1.96	4.62	OK	15.06	7.98	4.66	1.00	6.96	0.00
2	1.94	4.56	OK	15.19	8.03	4.68	1.00	6.85	0.00
3	2.00	4.62	OK	15.07	8.00	4.71	1.00	7.03	0.00
4	1.93	4.58	OK	15.10	7.95	4.52	1.00	7.11	0.00
5	1.96	4.58	OK	15.13	8.12	4.61	1.00	6.87	0.00
6									
7									
8									
9									
10									
X	1.96	4.59		15.11	8.02	4.64	1.00	6.96	0.00
R	0.10	0.06		0.13	0.17	0.19	0.00	0.26	0.00

■ Soldering Conditions

Wave Soldering:



Note:

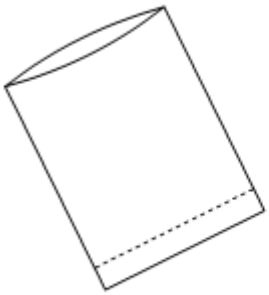
Never contact the ceramic with the iron tip

1.0mm tip diameter(max)

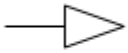
■ Material list

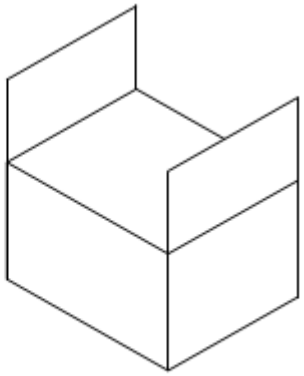
NO	ITEM	DESCRIPTION	SUPPLIER	RATING	UL FILE
1	Core	F2BP R 4×15	YU TONG		
		OR EQUIVALENT			
2	Wire	QZY Φ1.0mm	JINYAN	180℃	E238500
		OR EQUIVALENT			
3	Epoxy	6020H-4 (NH) Black	WELLS		
		OR EQUIVALENT			

■ Package specification



PE 袋





Type	Quantity(pcs)			Remark
	Bag	Inside box	Outer box	
YDRI0415D	250	2500	5000	