■ 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

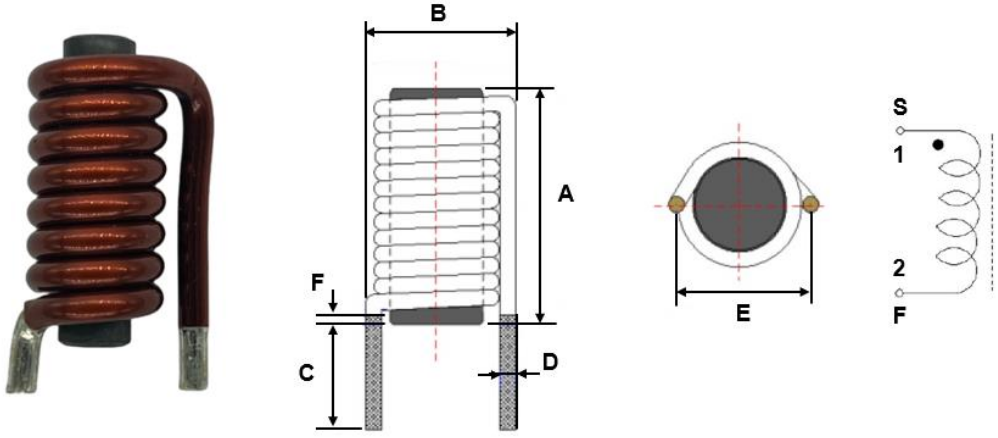
(2) ：Dimensions

(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
YDRI0625D	27.0	17.0	3.5±0.5	2.5±0.1	14.0±1.0	0 ~ 2.5

■ Electrical specification

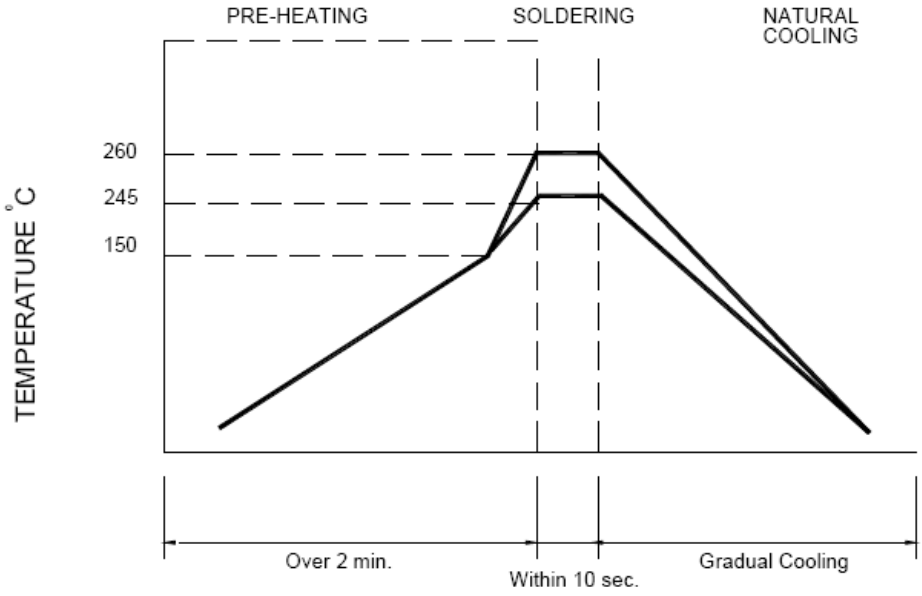
Part Number	Inductance (uH)	Test Frequency	Max.DCR (mΩ)	Isat (A)
YDRI0625D-1R2ML	1.2±20%	1KHz/0.25V	1.6	30

■ 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.	1.2uH±20%	1.6 mΩMax.	30A	27.0 Max.	17.0 Max.	3.5±0.5	2.5±0.1	14.0±1.0	0 ~ 2.5
1	1.32	0.81	OK	25.22	16.41	3.51	2.49	14.00	1.31
2	1.30	0.81	OK	25.27	16.13	3.76	2.49	13.49	1.00
3	1.30	0.80	OK	25.20	16.22	3.47	2.50	13.86	0.82
4	1.31	0.81	OK	25.18	16.07	3.62	2.50	14.31	1.36
5	1.31	0.81	OK	25.23	16.31	3.42	2.49	14.20	1.83
6									
7									
8									
9									
10									
X	1.31	0.81		25.22	16.23	3.56	2.49	13.97	1.26
R	0.02	0.01		0.09	0.34	0.34	0.01	0.82	1.01

■ Soldering Conditions

Wave Soldering:



Note:

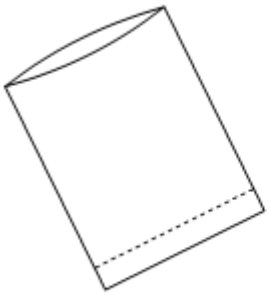
Never contact the ceramic with the iron tip

1.0mm tip diameter(max)

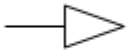
■ Material list

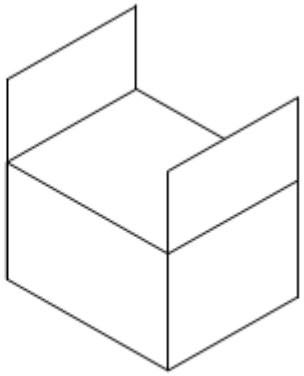
NO	ITEM	DESCRIPTION	SUPPLIER	RATING	UL FILE
1	Core	F2BP R 6×25	YU TONG		
		OR EQUIVALENT			
2	Wire	QZY-2 Φ2.5mm	JINYAN	180℃	E238500
		OR EQUIVALENT			
3	Epoxy	E506 Gray	EATTO		E218090
		OR EQUIVALENT			

■ Package specification



PE 袋





Type	Quantity(pcs)			Remark
	Bag	Inside box	Outer box	
YDRI0625D	100	1000	2000	