Wire Wound Chip Inductor
-YWLD2012T Series

■ Features

- Minature size,suitable for SMT.
- Using terminal electrode structure to restrain the parasitic component effect quite caused by lead.
- Execellent in solderability and heat resistance.
- Best frequency special property and intense ability to resist interference.
- Operating temperature:-40℃ ~ +85℃.

■ Applications

- Protable communication equipment and PDA,high speed electronic device.
- Used for radiation high speed noise suppression.

■ Product Identification

YWLD □□□□□ - □□□ - □

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

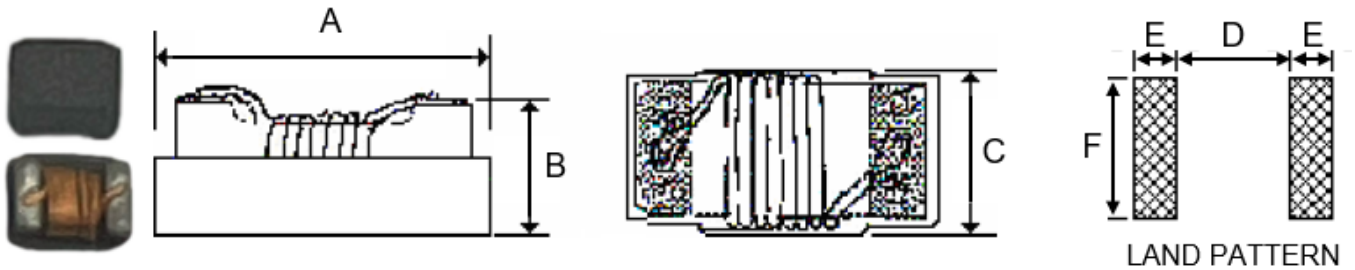
(1)： Type

(2)： Dimensions

(3)： Inductance value

(4)： Inductance Tolerance: M=±20%,K=±10%,J=±5%

■ Shapes and Dimensions (Unit：mm)



TYPE	A Max.	B Max.	C Max.	D Typ.	E Typ.	F Typ.
YWLD2012T	2.40	1.52	1.73	0.76	1.02	1.78

■ YWLD2012T Series

Part Number	L (uH)	Freq. (MHz)	Q Typ.	SRF Typ. (MHz)	Rdc±30% (Ω)	Isat Typ. (mA)	Irms Typ. (mA)
YWLD2012T-1R0M	1.0±20%	1	12	250	0.14	1100	1200
YWLD2012T-2R2M	2.2±20%	1	12	100	0.18	750	900
YWLD2012T-4R7M	4.7±20%	1	12	50	0.32	530	550
YWLD2012T-8R2M	8.2±20%	1	12	35	0.50	430	460
YWLD2012T-100M	10±20%	1	12	35	0.55	420	450

※ Rating DC current:temperature rise(ΔT) is 40 ℃ approximately at Irms.

※ Saturation DC current:Inductance drop approximately 30% of L0 at Isat.

※ Storage temp.:-10℃ ~ + 40℃ R.H.:65% Max.

※ Moisture sensitivity level(MSL)2(1 year floor life at<30℃/65% relative humidity)

■ Soldering Conditions

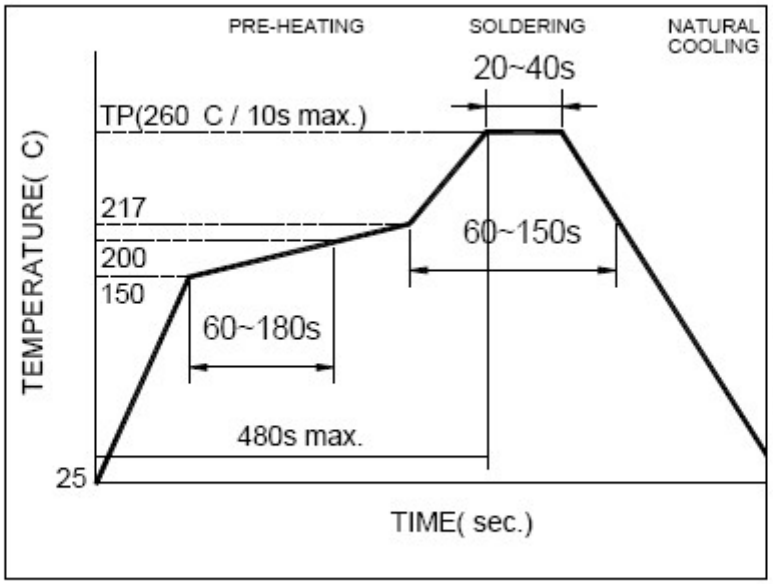


Figure 1. Re-flow Soldering (Lead Free)

Note:
- Preheat circuit and products to 150℃
- 260℃ tip temperature (max)
- Reflow times: no more than 2 times
- Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

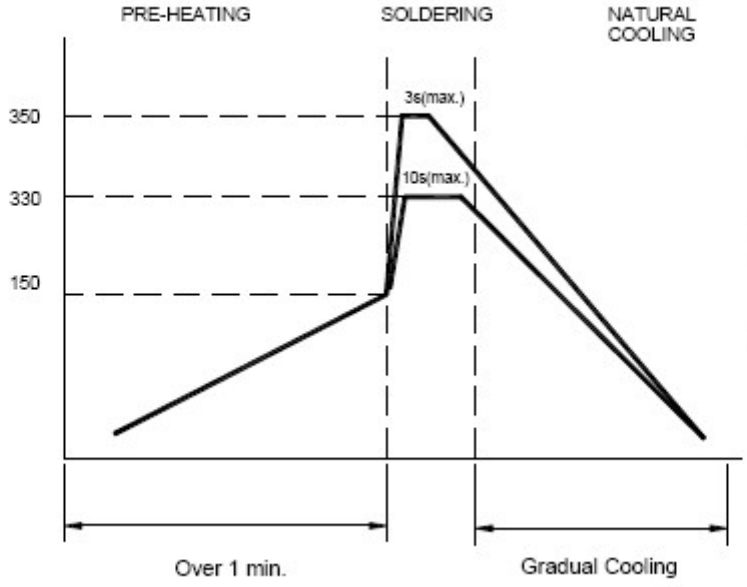
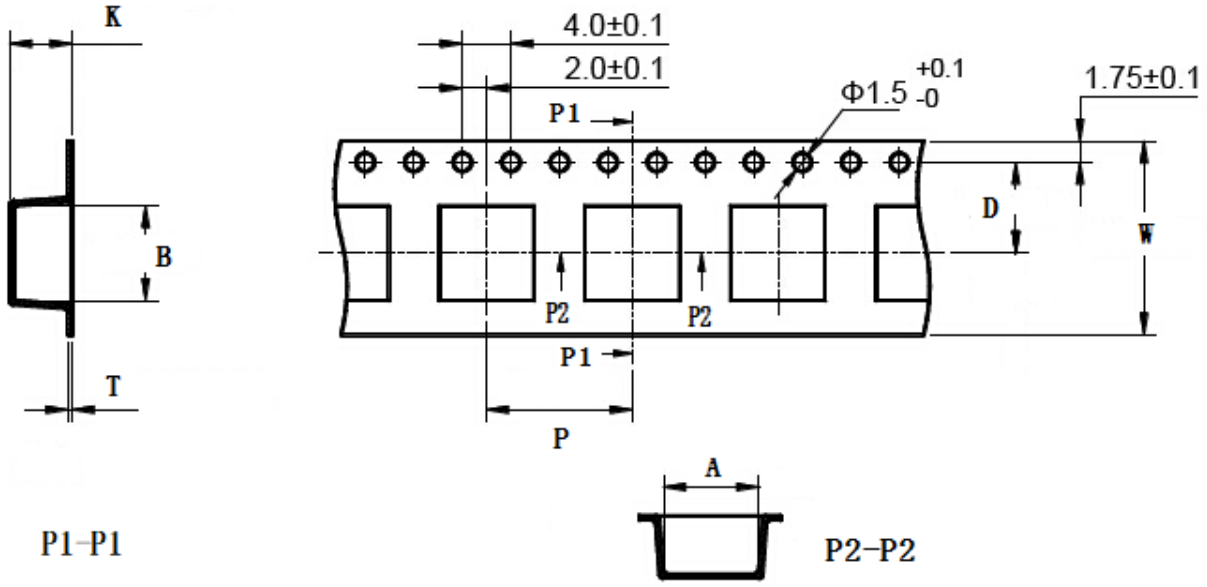


Figure 2. Hand Soldering

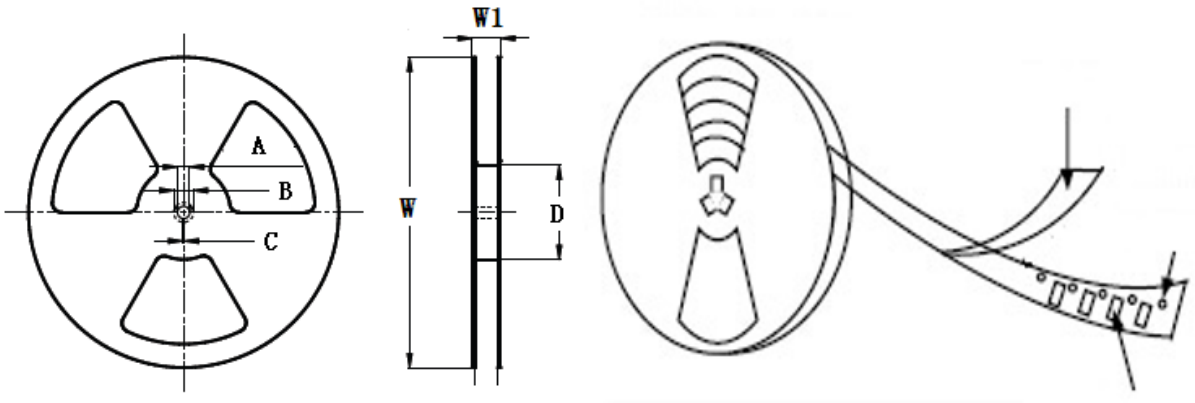
Note:
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

■ Taping Dimensions(Unit:mm)



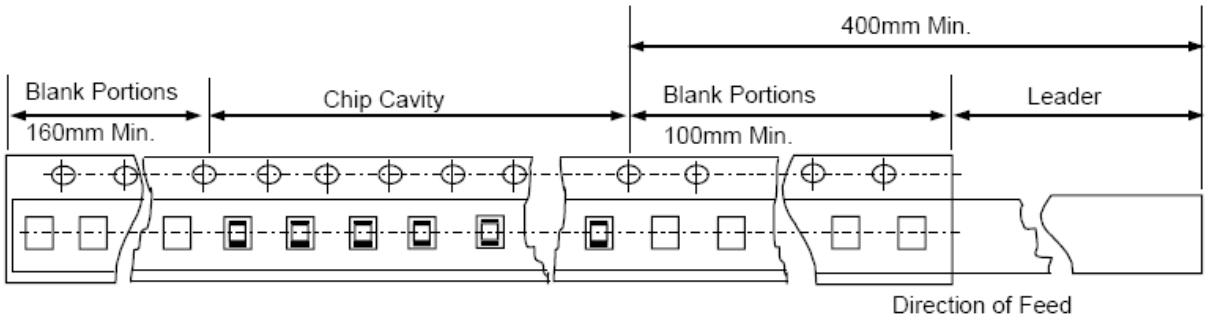
TYPE	W	A	B	D	P	K	T	MPQ
YWLD2012T	8.0±0.1	1.5±0.2	2.3±0.2	3.5±0.1	4.0±0.1	1.1+0.1	0.30±0.05	3000

■ Reel Dimensions(Unit:mm)



TYPE	W	W1	A	B	C	D
YWLD2012T	178±2.0	8.40±1.50	4.3±0.20	5.0±0.10	3.0±0.10	58±2.0

■ Leader and Blank portion



1．Missing chips number within 0.1% of the number per reel or 1pcs, whichever is greater, and are not continuous.

2．The top tape and bottom tape shall not protrude beyond the edges of the tape and shall not cover sprocket hole.

3．Cumulative tolerance of sprocket holes, 10 pitches: ±0.3mm.

4．Peeling off force: 10gf to 100gf in the direction show below for 8mm carrier tapes and 10gf to 130gf for 12mm to 56mm wide carrier tapes.

