

**■ Features**

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

**■ Applications**

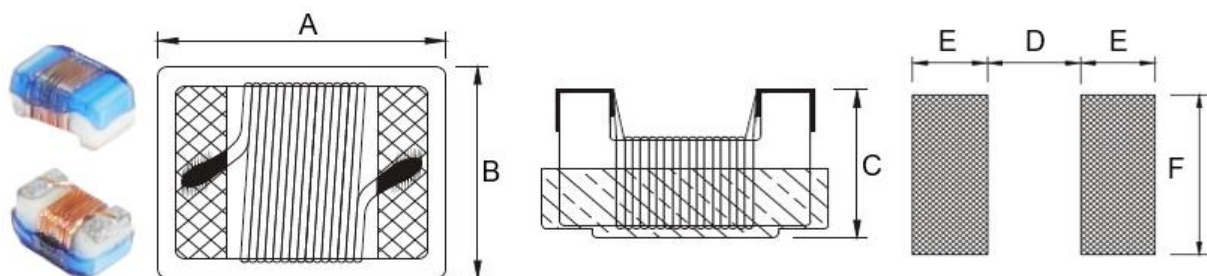
- Protable communication equipment and PDA,high speed electronic device.
- Used for radiation high speed noise suppression.

**■ Product Identification**

**YWLD**  $\square\square\square\square$  -  $\square\square\square$  -  $\square$   
 (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.
YWLD2012	2.40	1.73	1.52	0.76	1.02	1.78

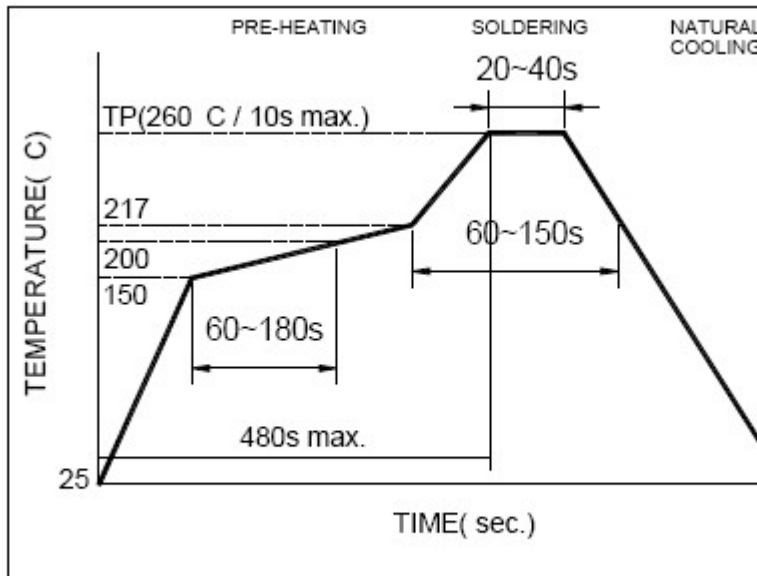
### ■ YWLD2012 Series

Part Number	L (uH)	Freq. (MHz)	Q Typ.	SRF Typ. (MHz)	Rdc Max. ( $\Omega$ )	Irms Typ. (mA)	Color
YWLD2012-R68□	0.68	7.9	14	765	0.192	1200	Gray
YWLD2012-1R0□	1.0	7.9	14	208	0.169	1100	Gray
YWLD2012-1R2□	1.2	7.9	14	208	0.169	960	Red
YWLD2012-1R5□	1.5	7.9	14	130	0.220	880	Brown
YWLD2012-1R8□	1.8	7.9	14	112	0.260	860	Orange
YWLD2012-2R2□	2.2	7.9	12	80	0.312	740	Red
YWLD2012-3R3□	3.3	7.9	12	50	0.360	620	Orange
YWLD2012-4R7□	4.7	7.9	14	51	0.559	520	Yellow
YWLD2012-5R6□	5.6	7.9	12	42	0.650	480	Blue
YWLD2012-6R8□	6.8	7.9	14	35	0.880	420	Green
YWLD2012-8R2□	8.2	7.9	13	33	0.940	400	Violet
YWLD2012-100□	10	2.5	14	25	1.170	300	Blue
YWLD2012-120□	12	2.5	14	30	1.500	290	Gray
YWLD2012-150□	15	2.5	15	28	1.820	280	Violet
YWLD2012-180□	18	2.5	15	27	2.010	260	White
YWLD2012-220□	22	2.5	15	20	2.288	240	Gray
YWLD2012-470□	47	2.5	14	15	4.420	160	Black

- ※ Rating DC current:temperature rise( $\Delta T$ ) is 40 °C approximately at Irms.
- ※ Saturation DC current:Inductance drop approximately 30% of L0 at Isat.
- ※ Storage temp.: -10°C ~ + 40°C R.H.:65% Max.
- ※ Moisture sensitivity level(MSL)2(1 year floor life at<30°C/65% relative humidity)

**■ Soldering Conditions**

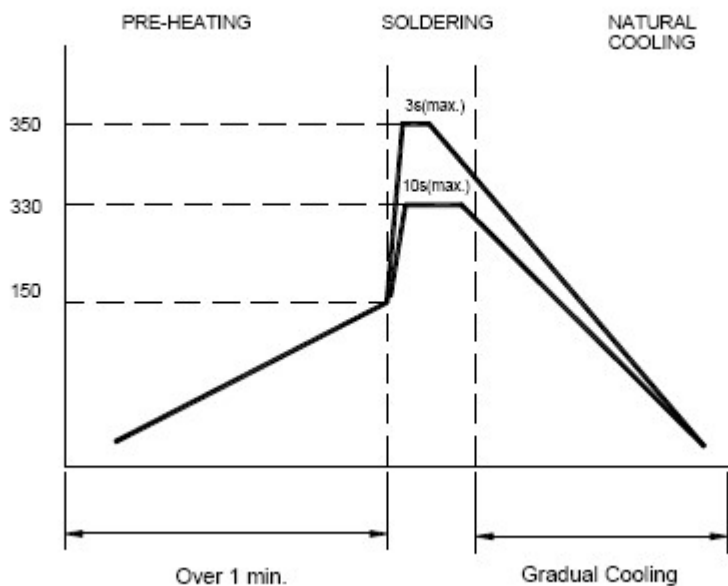
**Figure 1.  
Re-flow  
Soldering  
(Lead Free)**



Note:

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

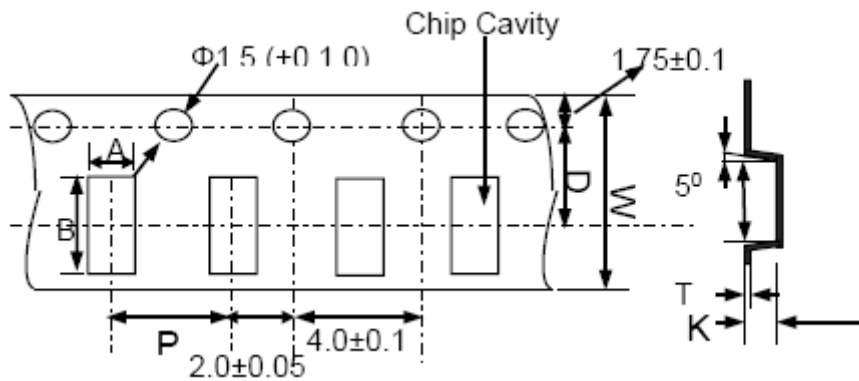
**Figure 2.  
Hand  
Soldering**



Note:

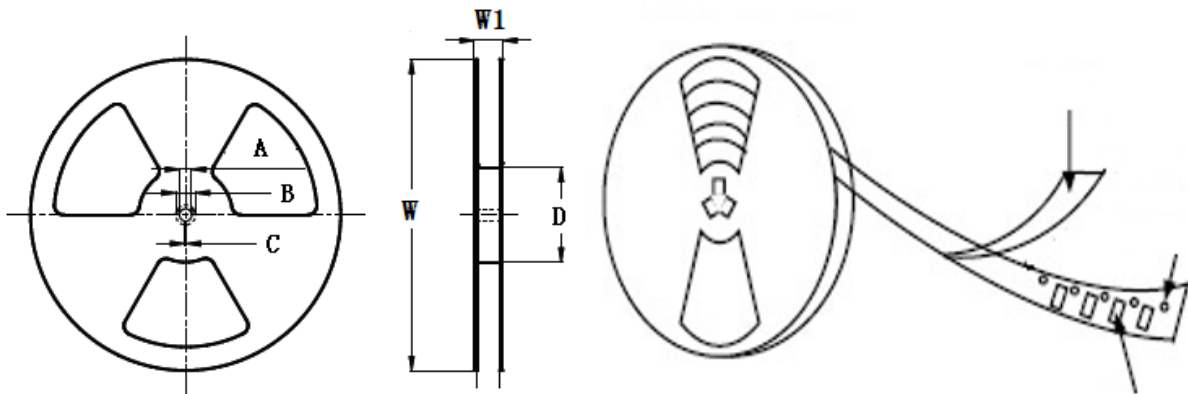
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

**■ Taping Dimensions(Unit:mm)**



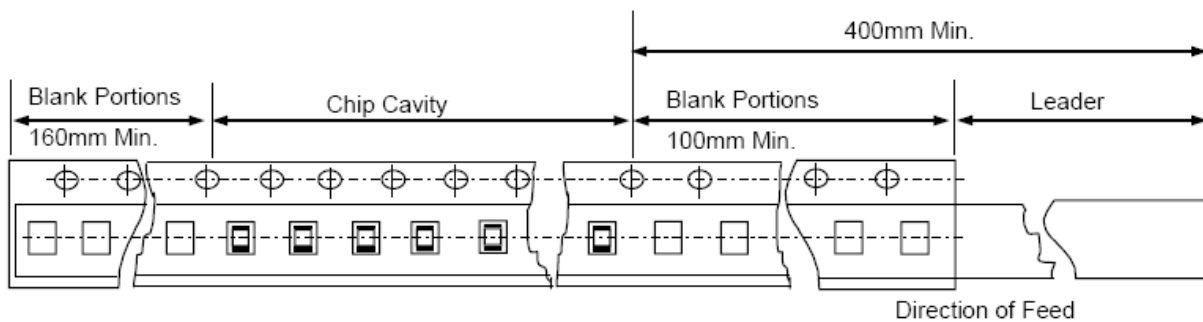
TYPE	W	A	B	D	P	K Max	T Max	MPQ
YWLD2012	8.00	1.50	2.30	3.50	4.00	1.10	0.30	3000

**■ Reel Dimensions(Unit:mm)**

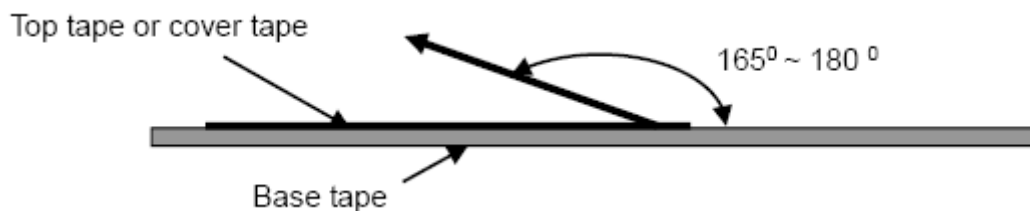


TYPE	W	W1	A	B	C	D
YWLD2012	178±2.0	8.40±1.50	4.3±0.20	5.0±0.10	3.0±0.10	58±2.0

**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:  $\pm 0.3\text{mm}$ .
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.



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