

REACH & RoHS
COMPLIANT

Introduction

- ROHS, Halogen Free and REACH compliance
- High rated current
- 125℃ maximum total temperature operation
- 13.8×12.9×6.0mm maximum surface mount package
- Low core loss
- Ultra low buzz noise due to molding construction

Applications

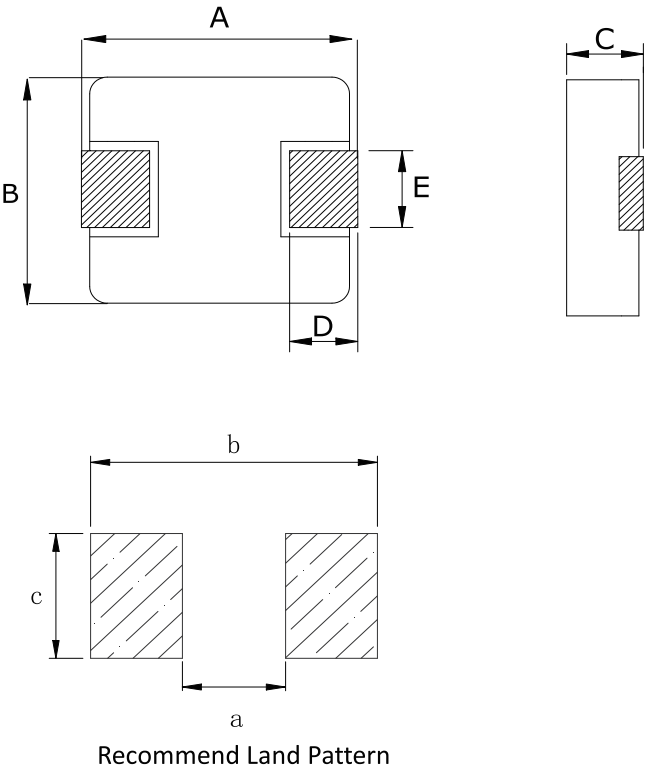
- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

Product Identification

YT 1260 --1R5 M
① ② ③ ④

- ① YT ----- Series name
② 1260 ----- Dimension
③ 1R5 ----- Inductance Value (1R5 = 1.5μH)
④ M -----Inductance Tolerance (M= ± 20%)

Dimensions (unit:mm)



A	B	C	D	E	a typ	b typ	c typ
13.45±0.35	12.6±0.3	5.8±0.2	2.0±0.5	5.0±0.3	8	14.5	5.5

VOOHU 苏州沃虎电子科技有限公司
Su Zhou Voohu Electronic Tech.Co.Ltd

TEL: +86 400 1048 018 WEB: WWW.WOHU-TEK.COM

TITLE:
YT1260 Series

PART NO.:
YT1260系列

REMARK:

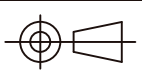
SIZE
A4

SACLE
1:1

SHEET
1/7

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35	x°±3.0°
.x±0.30	.x°±2.0°
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGND BY:
Sunny.Xu

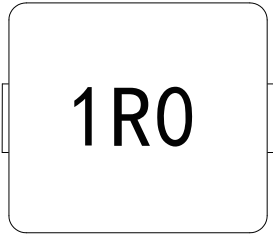
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Marking

The inductor is marked with a 3-digit code

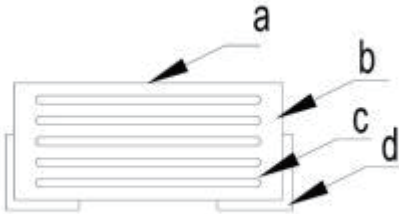
Nominal Inductance	
Example	Nominal Value
1R0	1.0 μ H
100	10 μ H
101	100 μ H

Note : Using Ink for marking



Structure and Components

Symbol	Components	Material
a	MARKING	Ink(black)
b	CORE	Alloy Sponge Powder
c	WIRE	Polyurethane copper wire
d	Terminal	Copper plated with Sn



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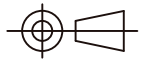
SIZE
A4

SACLE
1:1

SHEET
2/7

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

$x \pm 0.35$
 $.x \pm 0.30$

$.xx \pm 0.25$
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$
 $.x^\circ \pm 2.0^\circ$

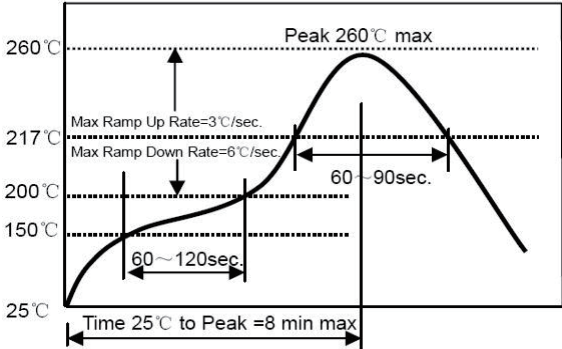
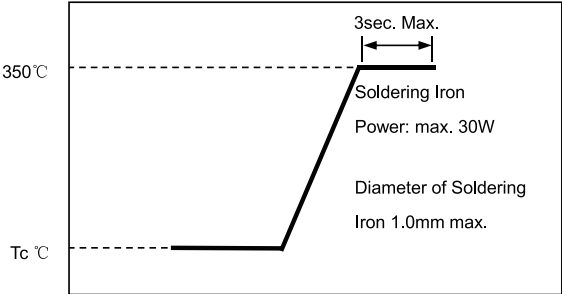
$.xx^\circ \pm 1.5^\circ$
 $.xxx^\circ \pm 1.0^\circ$

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CHECKED BY:
Elvis.Song

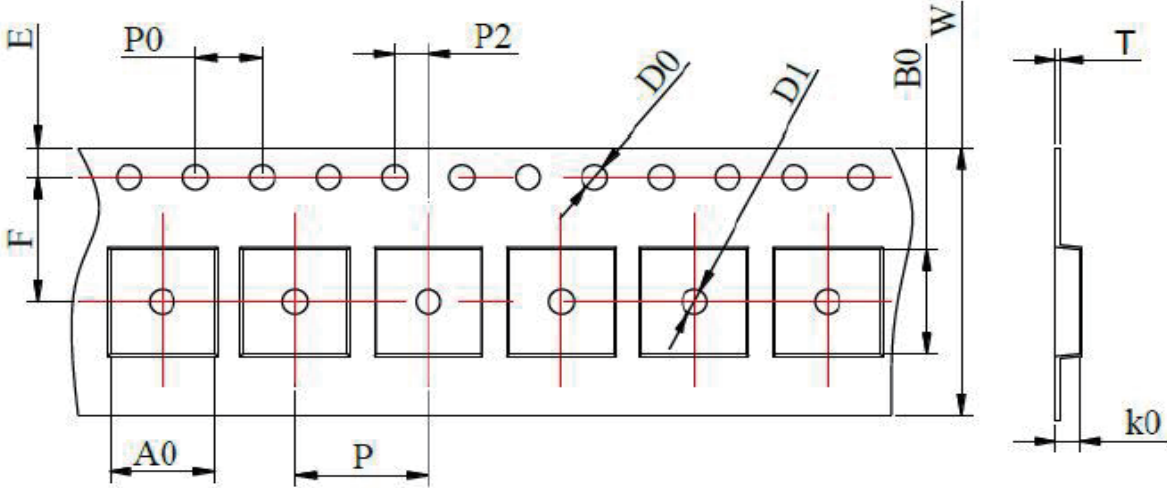
DESIGND BY:
Sunny.Xu

1		2		3		4		5		6		7		8	
REACH & RoHS COMPLIANT															
		Part No.	Inductance	DC Resistance	Saturation Current	Heating Rating									
			L0 (μH)	DCR (mΩ)	Isat (A)	Irms (A)									
			±20 %, 100 kHz, 1V	MAX.	TYP.	TYP.									
		WHYT1260-4R7M-E50	4.7	9	24	15									
WHYT1260-5R6M-E50	5.6	11	22.5	13											
WHYT1260-6R8M-E50	6.8	13.5	19	12											
WHYT1260-8R2M-E50	8.2	16	13.5	11											
WHYT1260-100M-E50	10	20.7	12.5	10											
WHYT1260-120M-E50	12	23	10	9											
WHYT1260-150M-E50	15	29	9	8.5											
WHYT1260-180M-E50	18	35	8	7.5											
WHYT1260-220M-E50	22	39.5	7.5	7											
WHYT1260-270M-E50	27	56	6.5	6											
WHYT1260-330M-E50	33	75	6	5.5											
WHYT1260-470M-E50	47	90	5.5	5											
WHYT1260-680M-E50	68	140	4.5	4											
WHYT1260-101M-E50	100	200	3.5	3											
WHYT1260-121M-E50	120	235	3.2	2											
WHYT1260-151M-E50	150	350	2.7	1.5											
Notes															
1. All test data is referenced to 25 °C ambient															
2. Operating temperature range - 55 °C to + 125 °C															
3. Irms (A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)															
4. Isat(A):DC current (A) that will cause L0 to drop approximately 30 %															
5. The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions.															
Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions															
all affect the part temperature. Part temperature should be verified in the end application.															
 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd				TITLE: YT1260 Series		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song					
				PART NO.: YT1260系列		SACLE 1:1	REV A0	.xx±0.35	x°±3.0°	CHECKED BY: Elvis.Song					
TEL: +86 400 1048 018		WEB: WWW.WOHU-TEK.COM		REMARK:		SHEET 3/7		.xx±0.25	.xx°±1.5°	DESIGND BY: Sunny.Xu					
								.xxx±0.10	.xxx°±1.0°						
1		2		3		4		5		6		7		8	

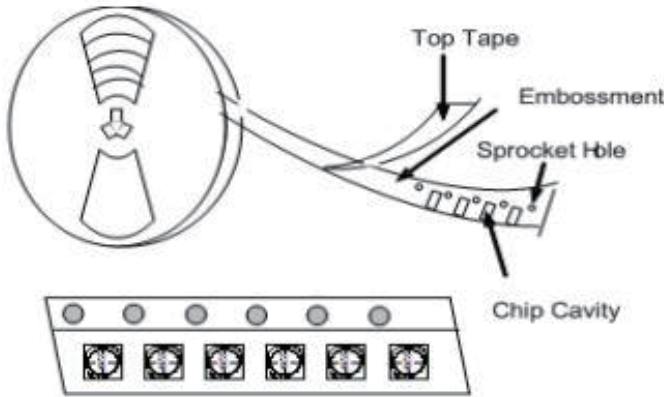
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Recommended Soldering Technologies (1)Re-flowing Profile Preheat condition: 150 ~200℃/60~180sec. Allowed time above 217℃: 80~120sec. Max temp: 260℃ Max time at max temp: 10 sec. Solder paste: Sn/3.0Ag/0.5Cu Allowed Reflow time: 2x max  (2)Iron Soldering Profile Iron soldering power: Max. 30W Pre-heating: 150℃/60sec. Soldering Tip temperature: 350℃ Max. Soldering time: 3sec. Max. Solder paste: Sn/3.0Ag/0.5Cu Max.1 times for iron soldering 																																									
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TEL: +86 400 1048 018	WEB: WWW.WOHU-TEK.COM	REMARK:	SHEET 4/7		.xx±0.25 .xxx±0.10		.xx°±1.5° .xxx°±1.0°	DESIGND BY: Sunny.Xu																																	

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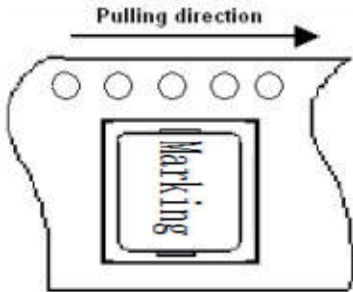
Packaging Information
(1) Tape Packaging Dimensions (Unit: mm)

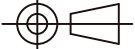


Taping Drawings (UNIT:mm)



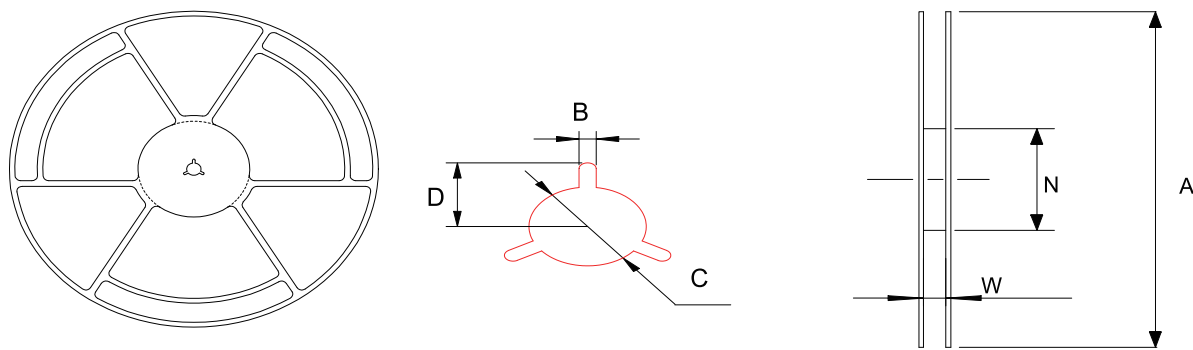
Type	Tape dimensions (mm)											
	W	P	P0	P2	D0	D1	T	A0	B0	K0	E	F
WHYT1260	24 ±0.3	16 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	1.5 ±0.1	0.5 ±0.05	13.1 ±0.1	14 ±0.1	6.3 ±0.1	1.75 ±0.1	11.5 ±0.1



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		REMARK:	SHEET 5/7		.xx±0.25	.xx°±1.5°	DESIGND BY: Sunny.Xu
					.xxx±0.10	.xxx°±1.0°	

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(2) Reel Dimensions (Unit: mm)



A	W	N	B	C	D
330+2.0	24±0.5	97±0.5	2.2+0.5	13.0±0.2	10.75±0.25

(3) Packaging Quantity(PCS)

Type	Standard Quantity		
	Reel	Inner box	Carton box
WHYT1260	500 pcs / reel	2Reel / box (1000 pcs)	4 Middle boxes, (4000 pcs)

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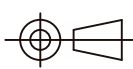
SIZE
A4

SACLE
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SHEET
6/7

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35
.x±0.30

.xx±0.25
.xxx±0.10

x°±3.0°
.x°±2.0°

.xx°±1.5°
.xxx°±1.0°

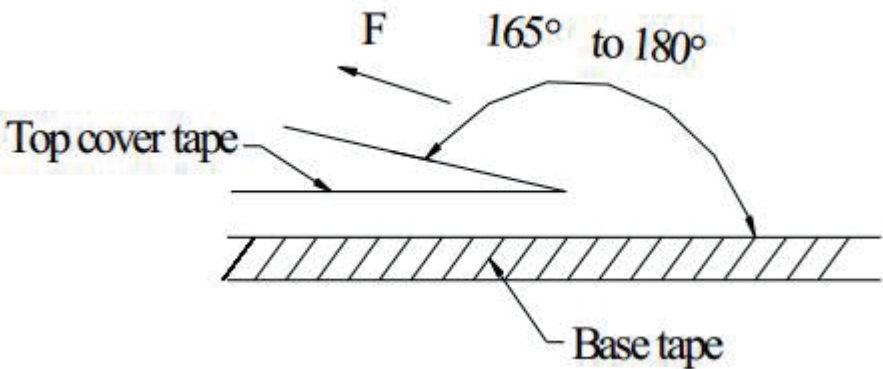
APPROVED BY:
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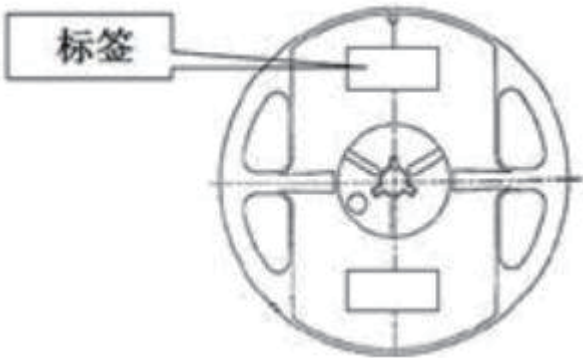
(4) Peel force of top cover tape

The peel speed shall be about 300mm/minute
The peel force of top cover tape shall be between 0.1 to 1.3 N

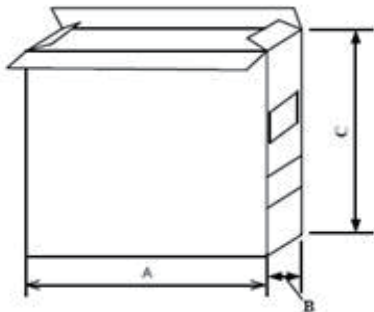


(5) Reel Label

- Label on the reel
- Customer's part Number
 - Lot Number
 - Quantity
 - date code
- Shipping Label
- Customer's part Number
 - Manufacturer's part Number
 - Quantity
 - date code

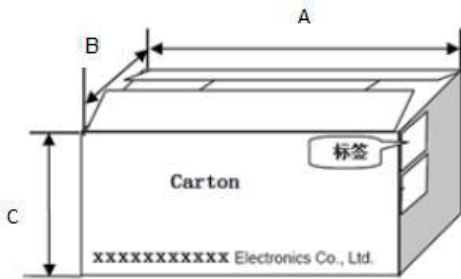


(6) Inner Box



Packaging type	A (mm)	B (mm)	C (mm)
Inner box	335	70	340

(7) Carton



Packaging type	A (mm)	B (mm)	C (mm)
type	360	360	360