

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: 2144

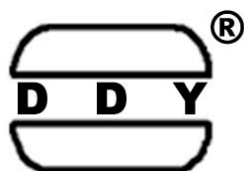
DESCRIPTION: WIRE WOUND TYPE COMMON MODE FILTER

DDY PART NO: WBA3416L600T-D-1R1-HF

CUSTOMERMODELNO:

DRAWING		
MADE	CHECKED	APPROVED
余运鸿	曹春宁	陈启善
DATE:	2025年3月 7 日	

CUSTOMER APPROVE



惠州市德立电子有限公司
HUI ZHOU DE LI ELECTRONICS CO., LTD

廣東省博羅縣洲際工業園梅園三路
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惠 州 市 德 立 电 子 有 限 公 司

HUIZHOU DELI ELECTRONICS CO., LTD

CUSTOMER:	2144	REV NO:	A1.0
DESCRIPTION:	WIRE WOUND TYPE COMMON MODE FILTER	PAGE NO:	PAGE 1 OF 6
PART NO:	WBA3416L600T-D-1R1-HF	SN.	
CUSTOMER NO:		DATE:	2025年3月 7 日

CATALOG

Resume		P2
Shape & Dimension		P3
Characteristic		P3
Part numbering ststem		P3
General specification		P3
Test Data for samples		P4
Soldering Conditions		P5
Package Information		P6



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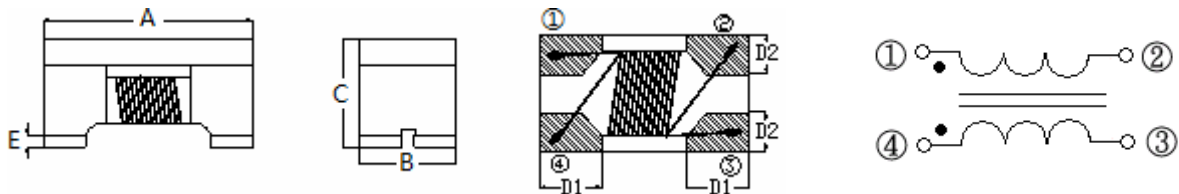
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1.SHAPE & DIMENSION

UNIT:mm



CODE	A	B	C	D1	D2	E	
DIMENSION	3.40±0.20	1.60±0.20	2.0±0.20	0.64 TYP	0.66 TYP	0.12 TYP	

2. ELECTRICAL CHARACTERISTICS @25℃

Part Number	L	Freq	Rdc	Irms	Rated Voltage	Min Insulation Resistance
	(μH)MIN	(KHz)	(Ω)max	(mA)max	Volts	MΩ
WBA3416L600T-D-1R1-HF	60	100/0.1V	1.1	200	50	10

3. PART NUMBERING SYSTEM

WBA □□□□ □ □□□ □ □ — □□
1 2 3 4 5 6 7

- 1 PRODUCT SYMBOL (产品代号)
- 2 DIMENSIONS (规格尺寸)
- 3 MATERIAL (芯片类型)
- 4 INDUCTANCE (电感量)
- 5 TOLERANCE (公差) : MIN
- 6 PACKAGING (包装方式) : T-编带盘装; B-散装
- 7 E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

4.GENERAL SPECIFICATION

a. Rating DC current: Temperature rise(ΔT) is 40℃ approximately at Irms.

APPROVED BY	CHECKED BY	DRAFT
陈启善	曹春宁	余运鸿



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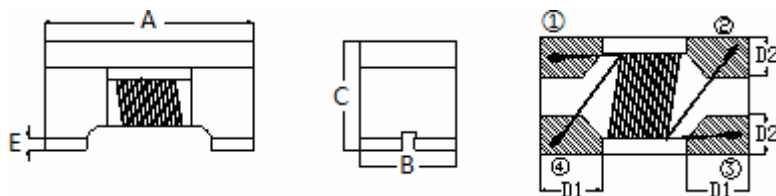
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5. TEST DATA FOR SAMPLES

TEST ITEM	L	Rdc	A	B	C	D1	D2
	(μ H)	(Ω)	(mm)	(mm)	(mm)	(mm)	(mm)
CON.	100KHz/0.1V	At 25°C	3.40 $\pm$ 0.20	1.60 $\pm$ 0.20	2.0 $\pm$ 0.20	0.64 TYP	0.66 TYP
SPEC.	60MIN	1.10 MAX					
1	72.0	0.93	3.43	1.62	2.02	0.62	0.62
2	69.0	0.96	3.44	1.62	2.01	0.62	0.64
3	68.0	0.95	3.42	1.61	2.01	0.63	0.67
4	67.0	0.96	3.44	1.62	2.01	0.65	0.64
5	68.0	0.95	3.43	1.63	2.00	0.64	0.62
6	65.0	0.95	3.43	1.61	2.03	0.64	0.61
7	66.0	0.93	3.42	1.61	2.02	0.63	0.63
8	66.0	0.94	3.41	1.63	2.01	0.63	0.66
9	68.0	0.95	3.43	1.61	2.01	0.63	0.63
10	69.0	0.95	3.42	1.62	2.01	0.63	0.66
X	67.8	0.95	3.43	1.62	2.01	0.63	0.64
R	7.0	0.03	0.03	0.02	0.03	0.03	0.06

图示:



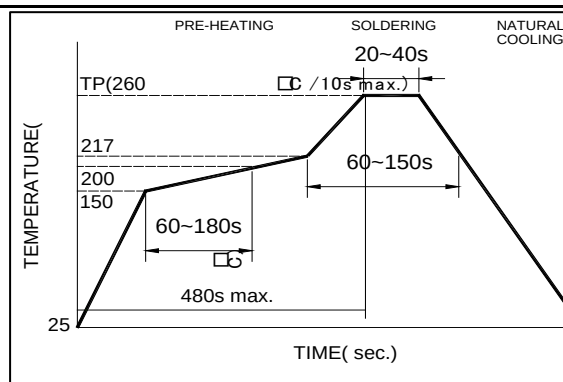
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6. SOLDERING CONDITIONS

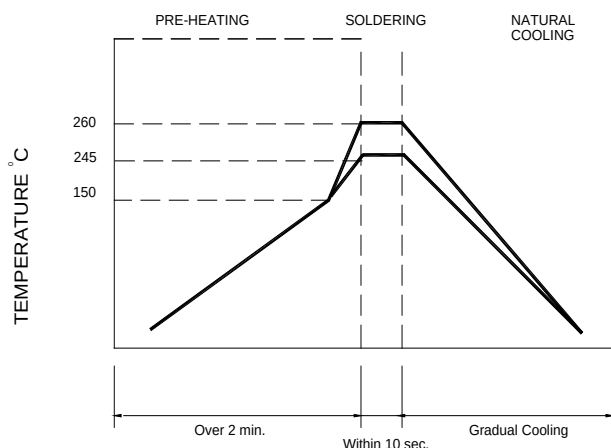
**Figure 1.
Re-flow
Soldering (Lead
Free)**



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

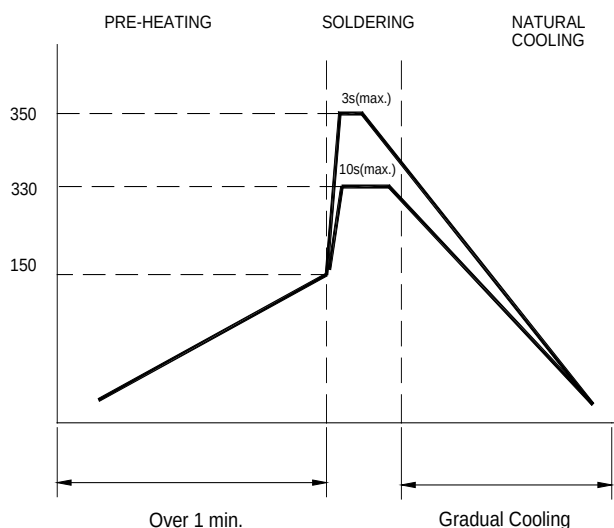
**Figure 2.
Wave Soldering**



Note :

- Never contact the ceramic with the iron tip
- 1.0mm tip diameter (max)

**Figure 3.
Hand Soldering**



Note:

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

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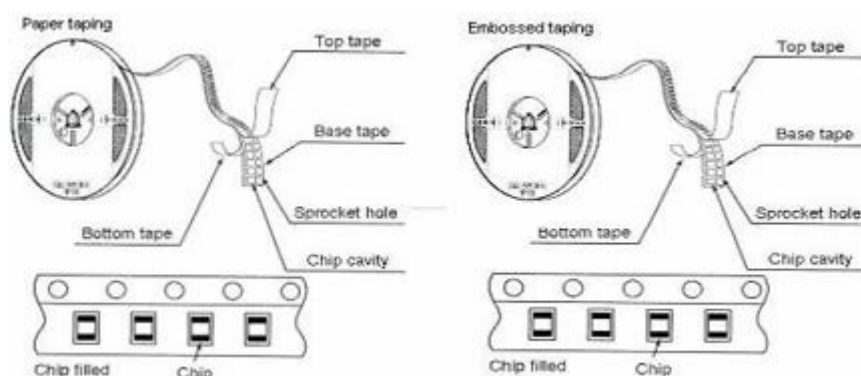
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7. PACKAGING(unit: mm)

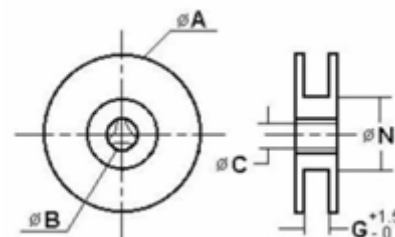
Type	1210	1608	2012	3416	3225	4532
Quantity	3000	2000	2000	2000	1000	500

TAPING DRAWINGS

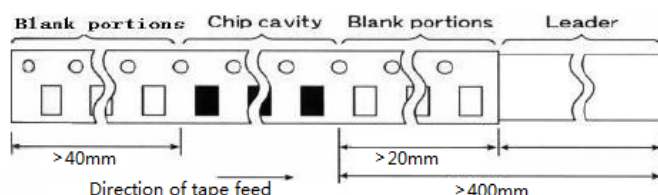


REEL DIMENSIONS(UNIT:mm)

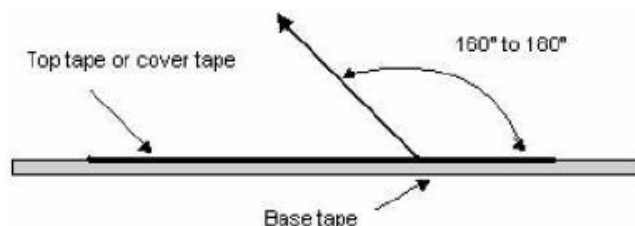
	A	B	C	N	G
CF-8	178±2.0	22±2.0	12.5±1.5	57±2.0	8
CF-12	178±2.0	22±2.0	12.5±1.5	98±2.0	12



LEADER AND BLANK PORTION



PEELLING OFF FORCE:0.05 to 0.7N in the direction show below.



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